

20020325.qrp v02_n505.qrl.20020325

Date: Mon, 25 Mar 2002 19:03:06 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2505

QRP-L Digest 2505

Topics covered in this issue include:

- 1) [123096] RE: random wire antennas?
by Nick Kennedy <nkennedy@tcainternet.com>
- 2) [123097] 2 new ones on 10
by Arthur Moe <kb7ww@easystreet.com>
- 3) [123098] Re: 2 new ones on 10
by "K7FD N7SG" <k7fd@hotmail.com>
- 4) [123099] Re: random wire antennas?
by brickle <brickle@pobox.com>
- 5) [123100] Conditions for the QRP Sprint
by "Jim Stamper" <jstamper@shentel.net>
- 6) [123101] Wow, band condx poor
by "Doc Lindsey" <lindsey425@cs.com>
- 7) [123102] Re: QRP Newcomer Questions
by "James R. Duffey" <jamesd1@flash.net>
- 8) [123103] Re: 2 new ones on 10
by Arthur Moe <kb7ww@easystreet.com>
- 9) [123104] Re: NC20 Pout Question
by "James R. Duffey" <jamesd1@flash.net>
- 10) [123105] RE: Random Wire
by "Dan Reynolds" <bcdlr@insightbb.com>
- 11) [123106] Say you want to know about end fed wire antennas?
by ARDUJENSKI@aol.com
- 12) [123107] Re: random wire antennas?
by Tim - N9PUZ <N9PUZ@arrl.net>
- 13) [123108] RE: Tube Transmitters
by "James R. Duffey" <jamesd1@flash.net>
- 14) [123109] Re: QST Pictures
by "John J. McDonough" <wb8rcr@arrl.net>
- 15) [123110] Re: Safety First
by "David & Jo Ann Lininger" <djlinin@positech.net>
- 16) [123111] XR0X on 14.052.8
by "Doc Lindsey" <lindsey425@cs.com>
- 17) [123112] HUMOR: (Long) Humorous (I think) personal story
by "Rex Harper" <w1rex@megalink.net>
- 18) [123113] Re: HF Pack Shootout Observations (was Miracle Whip)
by "Marty N5NW" <n5nw@n5nw.org>
- 19) [123114] Re: ALTOIDS TINS

- by w4bws@juno.com
- 20) [123115] Help,I stole an SWR kit (2nd time)
by "ukii" <ukii73@ameritech.net>
 - 21) [123116] FS Paddles
by "Dave Martin" <k2zu@seanet.com>
 - 22) [123117] tiny tins
by Chris Howard <chris@yipypap.com>
 - 23) [123118] [OT] artistic talent by WB8RCR
by Chuck Adams <k7qo@earthlink.net>
 - 24) [123119] POV Ray tracings
by Rhett Isley <risley@ipass.net>
 - 25) [123120] Homebrew Sprint + Doc and XR0X on 30m
by "Adrian Weiss" <aweiss@usd.edu>
 - 26) [123121] re: Elecraft KFL1-4 Four-Band Filter Board Mod de K7Q0
by Wayne Burdick <n6kr@elecraft.com>
 - 27) [123122] Re: ALTOIDS TINS
by "Rob Matherly" <kc0bom@arrl.net>
 - 28) [123123] Re: tiny tins
by Pete Burbank <plburbank@kih.net>
 - 29) [123124] Simple Active DBM DC Receivers (picture, comparison)
by Junichi Nakajima <nakaji@crl.go.jp>
 - 30) [123125] The Power of 25 watts
by G Brandon Hoyt <preacher102677@juno.com>
 - 31) [123126] Re: XR0X on 14.052.8
by "Karl F. Larsen" <k5di@zianet.com>
 - 32) [123127] Re: XR0X on 14.052.8
by Chuck Carpenter <w5usj@9plus.net>
 - 33) [123128] re: Elecraft KFL1-4 Four-Band Filter Board Mod de K7Q0
by "Michael C. Boatright" <ko4wx@mindspring.com>
 - 34) [123129] Re: XR0X on 14.052.8
by "Karl F. Larsen" <k5di@zianet.com>
 - 35) [123130] random wire antennas?
by "Conant, Paul" <paul.conant@lmco.com>
 - 36) [123131] XR zero X
by "Karl F. Larsen" <k5di@zianet.com>
 - 37) [123132] insomnia activities
by Gary Lee <kb9zuv@arrl.net>
 - 38) [123133] FS Ten Tec 515 qrp
by <n2go@arrl.net>
 - 39) [123134] Tubes; A Beautiful 6T9 Transmitter
by "Roger A. McCarty" <rmccarty@earthlink.net>
 - 40) [123135] Re: random wire antennas?
by "W5TB" <w5tb@arrl.net>
 - 41) [123136] MFJ 9420 drifty
by Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
 - 42) [123137] Code
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
 - 43) [123138] Hotel operation

by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
44) [123139] Re: tiny tins
by "Mark J. Dulcey" <mark@buttery.org>
45) [123140] Re: tiny tins
by "Brian" <brian@iquest.net>
46) [123141] Re: tiny tins
by "Brice D. Hornback" <bdh@cyberbound.net>
47) [123142] Re: random wire antennas?
by Bruce Muscolino <w6toy@erols.com>
48) [123143] NJQRP SP summary
by "Rod N0RC" <rod@n0rc.com>
49) [123144] Re: random wire antennas?
by Bruce Muscolino <w6toy@erols.com>
50) [123145] tip tapper
by "Hartwell, Martin E, ALINF" <mehartwell@att.com>
51) [123146] Re: random wire antennas?
by Tim - N9PUZ <N9PUZ@arrl.net>
52) [123147] QRP Homebrewer Sprint - WQ2RP Summary
by Ken Newman <N2CQ@dandy.net>
53) [123148] For sale
by Mercxx@aol.com
54) [123149] Worked XR zero X
by "Karl F. Larsen" <k5di@zianet.com>
55) [123150] velocity factor and antenna length
by delphinus@brightok.net
56) [123151] Doorknob caps
by "Brad Hernlem" <alihernlem@hotmail.com>
57) [123152] Re: random wire antennas?
by "Larry Spinner" <n2icz@hotmail.com>
58) [123153] Re: random wire antennas?
by Steven Weber <kd1jv@moose.ncia.net>
59) [123154] Re: random wire antennas?
by Bruce Muscolino <w6toy@erols.com>
60) [123155] FS: Reprints of QRP Quarterly and The Milliwatt
by Ron Majewski <majewski@erim-int.com>
61) [123156] Re: velocity factor and antenna length
by "George, W5YR" <w5yr@att.net>
62) [123157] Re: FS: Reprints of QRP Quarterly and The Milliwatt
by Ron Majewski <majewski@erim-int.com>
63) [123158] Re: random wire antennas?
by Tim - N9PUZ <N9PUZ@arrl.net>
64) [123159] Dayton
by Tom Feeny <tfeeny@comcast.net>
65) [123160] Re: FS: Reprints of QRP Quarterly and The Milliwatt
by W2AGN <w2agn@pobox.com>
66) [123161] Antenna and Spring
by "Karl F. Larsen" <k5di@zianet.com>
67) [123162] Re: MFJ 9420 drifty

by "Randy Randall" <randallr@Healthall.com>
68) [123163] re: Tube Transmitters
by W2SH@aol.com
69) [123164] RE: Tube Transmitters
by "Ed Tanton" <n4xy@earthlink.net>
70) [123165] Re: MFJ 9420 drift
by "DIANNE M WISE" <roy537@prodigy.net>
71) [123166] RE: Worked XR zero X
by "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>
72) [123167] Ultimate Manhattan-dremel-hacksaw-blade PC board tool
by "Bill Acito" <w1pa@hotmail.com>
73) [123168] 15 meters hot today
by Fred Lesnick <flesnick@tbaytel.net>
74) [123169] Re: random wire antennas?
by "Larry Spinner" <n2icz@hotmail.com>
75) [123170] Re: random wire antennas?
by baltimoremd@baltimoremd.com
76) [123171] Re: random wire antennas?
by "George, W5YR" <w5yr@att.net>
77) [123172] Re: Tubes; A Beautiful 6T9 Transmitter
by "Howard Kraus" <K2UD@adelphia.net>
78) [123173] Re: Ultimate Manhattan-dremel-hacksaw-blade PC board tool
by "Mike Yetsko" <myetsko@insydesw.com>
79) [123174] would like to sell
by hamjoel@juno.com
80) [123175] 15 m is Hot
by "Ron Polityka" <wb3aal@fast.net>
81) [123176] CUB FOX - CFNO: Final Results
by "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
82) [123177] Need manual for Norcal 20 ver. 1.0
by "Woody Lee" <lee@sms.si.edu>
83) [123178] Re: random wire antennas?
by baltimoremd@baltimoremd.com
84) [123179] Re: random wire antennas?
by "George, W5YR" <w5yr@att.net>
85) [123180] New QQ is here!!
by "Brian Murrey" <brian@iquiest.net>
86) [123181] Re: random wire antennas?
by "Mike Lyness, AF4LQ" <olyellr@iglou.com>
87) [123182] ms-15 transceiver
by "Delbert Long" <ad6we@hotmail.com>

Date: Sun, 24 Mar 2002 18:08:20 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'Schunn99@aol.com'" <Schunn99@aol.com>,
"Low Power Amateur Radio Discussion (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [123096] RE: random wire antennas?
Message-ID: <01C1D35E.E22A63E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

It's an end fed antenna that will need a good ground or radials. Your tuner may have an input configuration to match that type of antenna.

Whether it will actually be able to match it depends on the length. If you make it around a quarter wave, it should be simple.

But as you said, it's usually used as a multi-band antenna so it may work on some bands and not on others until you tweak the length. I'd make it a quarter wave on the lowest band I intended to use it on for starters.

The terms 'random wire', 'end-fed wire' and 'longwire' are often used kind of interchangeably, although longwire should imply being a wavelength or more long. They can work OK if you can't get anything else in the air.

Biggest disadvantage is that the antenna comes right into the shack, so you are radiating power right in the room with you.

As far as 'db' and performance goes, that's too complex to generalize on since it will vary with band and length, height, and configuration. If you need to see that, use an analyzer like W7ELs ELNEC or EZNEC.

On how to connect--if your tuner just has a coax connector (BNC) input, then connect the random wire to the center pin and plug it in. But be sure to connect your good ground and/or radials (or counterpoise) to the tuner case as well.

I'd look at some of Reg Edwards programs for simple matching circuits for this antenna.

72, GL & keep us posted--

Nick, WA5BDU

-----Original Message-----

From: Schunn99@aol.com [SMTP:Schunn99@aol.com]
Sent: Sunday, March 24, 2002 4:34 PM
To: Low Power Amateur Radio Discussion
Subject: random wire antennas?

hi, guys

I was searching the web and read some qrp websites that mentioned random wire

antennas? I know you need a atu and that it is a muti-band antenna. Could you

guys give me the specs on that kind of antenna?(db, length, what kind of wire is good to use) If someone could give any building instructions and do you just attach a bnc connector to one end of the wire and then attach the bnc to the tuner?

I have been looking at different types of antennas to build.

Scott Hunnicutt

Kg4oqu

Date: Mon, 25 Mar 2002 00:08:16 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: qrp <qrp-1@Lehigh.EDU>
Subject: [123097] 2 new ones on 10
Message-ID: <3C9E6A70.4970D85F@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ten is now responding to the settling of the geo mag field.
Worked VP6DI and H40XX for new ones within 5 minutes.

Art
KB7WW

Date: Sun, 24 Mar 2002 16:35:18 -0800
From: "K7FD N7SG" <k7fd@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [123098] Re: 2 new ones on 10
Message-ID: <F255DeBFJtXSn0l8iu20001cfb8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>Worked VP6DI and H40XX for new ones within 5 minutes.

>

>Art

>KB7WW

Rig? Power? Antenna? Inquiring minds need to know ;)

73 John K7FD

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 24 Mar 2002 19:46:25 -0500
From: brickle <brickle@pobox.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123099] Re: random wire antennas?
Message-ID: <3C9E7361.30A780FF@pobox.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

> ...it's usually used as a multi-band antenna so it may work
> on some bands and not on others until you tweak the length...

"Work on some bands and not on others" often means "hard to match on some bands." That's likely a function of the matching device. The feedpoint impedance of an end-fed half-wave can be very high, thousands of ohms; not many tuners can handle both very low and very high impedances well.

One way to deal with this is to stay *away* from half-wave multiples with your random wire. But this ain't so easy to do, if you really want to cover all or most of the HF bands. (Sort of like how hard it is to generate a truly random number :-)

A couple of years ago I wrote a program to look at all radiator lengths from 6 to 200 feet, in increments of 6 inches, and throw away any of the lengths that weren't some threshold away from a half-wave multiple on any of the CW or phone segments from 80 through 10 meters. Not surprisingly, there were only a handful that passed that test. I still have the results lying around here somewhere if anybody is interested. The program is easy to duplicate, anyway.

Generally speaking, it's as hard to find a truly non-resonant length as a resonant one.

I'm curious to know whether anybody here has had much experience with long traveling-wave wires on transmit.

73
Frank
AB2KT

Date: Sun, 24 Mar 2002 19:47:01 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123100] Conditions for the QRP Sprint
Message-ID: <001b01c1d396\$93e184b0\$4b5b6fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd say 40 is very long this evening. Heard a station in Venezuela calling CQ on about 7050 a while ago. Couldn't make him hear me with my 1 watt.

Don't hear many sprint stations.

jim-
KG4LDY
James H. Stamper
519 Park Avenue
Woodstock, VA 22664-1260
540-459-8350

Date: Sun, 24 Mar 2002 18:48:07 -0600
From: "Doc Lindsey" <lindsey425@cs.com>
To: "QRP E-Mail Reflector" <qrp-l@lehigh.edu>
Subject: [123101] Wow, band condx poor
Message-ID: <NFBBLNBGKLJAL0IPFPJ0CEAFCAAA.lindsey425@cs.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

Been listening in on the higher bands, and boy oh boy, they appear sure-nuf to be in poor condition. Guess the solar storm has knocked the heck out of them. Hopefully 40 will work some for the HB Sprint. Anyway, good luck one and all.

73,

--Doc/K0EVZ

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Sun, 24 Mar 2002 18:30:30 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <N9PUZ@arrl.net>, qrp-1 <qrp-1@lehigh.edu>
Subject: [123102] Re: QRP Newcomer Questions
Message-ID: <B8C3CBC6.13480%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I think that 30 M is the best QRP band.

It is less noisy than 40 M.

It has less day time absorption than 40 M.

It can support DX in the evenings and night like 20 M.

It is useful for both casual and DX operating at any point in the sunspot cycle.

The band is often open round the clock and a CQ at 2 AM on a dead band can often raise somebody.

Antennas are of a moderate size. A half wavelength is 44 ft. It is easier to raise an antenna to half wave heights than on 40 M.

The maximum power limit is 250 W. Big beam antennas are not very prevalent. QRP has a better chance of competing with the big boys.

30 M is a CW and digital mode band only. The modes keep well separated, so unwanted QRM is at a minimum. There is not too much Spanish SSB QRM.

There is no exclusive Extra part of the band, so choice DX is available to everybody who has access to the band. Everybody on the band has the same privileges regardless of class. The great egalitarian WARC bonanza at its best. If Marx and Engels were hams they would be on 30 M. Nils is.

Equipment is straight forward to build. Noise is still dominated by external sources. Tuning range is small so VXOs can cover nearly the entire band of interest. If VF0s are used, they can be at a relatively low frequency so that stability is not a big problem. Layout is not as critical as at higher bands.

There are no contests, so the band is available for casual operating 365/24/7.

We share the band with other users, mostly spys. Good excitement from time to time.

As to small paddles for keyers, the Palm paddles are fine and available from Morse Express. The Vibroplex Code Warrior designed by K8FF is small (but heavy) and unbeatable for under \$100. I think that the other paddles in this price range may be worth the price, but have one fault or another that is objectionable. At least to me.

These are all my personal opinions. Others may differ. They are wrong. :^)=

Free advice is worth what you pay for it. Mine comes with a money back gaurantee. :^)=

Let us know what you choose. See you on 10.118 MHz?- Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Mon, 25 Mar 2002 01:31:31 +0000
From: Arthur Moe <kb7ww@easystreet.com>
To: k7fd@hotmail.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123103] Re: 2 new ones on 10
Message-ID: <3C9E7DF3.5B918018@easystreet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

Kenwood TS690s @ 5 Watts WM1 Wattmeter CC A3s @ 24 feet.

K7FD N7SG wrote:

>

> >Worked VP6DI and H40XX for new ones within 5 minutes.

> >
> >Art
> >KB7WW
>
> Rig? Power? Antenna? Inquiring minds need to know ;)
>
> 73 John K7FD
>
>
> -----
> Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Sun, 24 Mar 2002 18:48:09 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <rod@n0rc.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [123104] Re: NC20 Pout Question
Message-ID: <B8C3CFE9.13483%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The beta or current gain of transistors increases as the temperature increases. With no ALC this can be seen as a rise in output power as the rig warms up. My TS-850 does this if the ALC is not active. - Dr. Megacycle
KK6MC/5

--
James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 24 Mar 2002 19:52:29 -0600
From: "Dan Reynolds" <bcdlr@insightbb.com>
To: "qrp-L Reflector \ (qrp-L Reflector\)" <qrp-l@Lehigh.EDU>
Subject: [123105] RE: Random Wire
Message-ID: <000001c1d39f\$b9009b10\$0100a8c0@c1641599a>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

First, let me say I'm not expert at antennas. My first antenna was a 100' Vee fed with twin lead (cheap 300 ohm lead). The twin lead eventually broke so I bought some really good 450 ohm window line and with my daughter's help put the apex 65' up in a pine tree. Seemed to

work pretty well. I used old tar/cloth covered house wire (10-12 GA). Then one leg of the VEE broke off. I tried feeding the ladder line with the one leg broke off but didn't work so well (through an ATU of course).

Well, to wind this story down I bought a LDG QRP auto tuner and decided I'd just feed this mess as sort of a random vertical/wire antenna. Boy, was that a smart thing to do. It is working like a million bucks. I made my first overseas contact, MW3USK, in Wales - 5 watts 15 meter SSB. I've used it almost every night on CW on some band or another. I wouldn't recommend it necessarily but I would say try whatever. See how it works.

Dan Reynolds KB9JLO

Kenwood TS-140S (with a reluctant pwr control)

Date: Sun, 24 Mar 2002 20:54:30 EST

From: ARDUJENSKI@aol.com

To: qrp-l@lehigh.edu

Subject: [123106] Say you want to know about end fed wire antennas?

Message-ID: <f5.1925d36a.29cfdd56@aol.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

Want to know about end fed wire antennas? Take a peek at what this site offers:

<http://www.qsl.net/wd8rif/archives.htm#antennas>

Also you may want to atake a gander at:

<http://www.njqrp.org/n2cxantennas/halfer/>

<http://www.qsl.net/aa5tb/efha.html>

<http://www.g3ycc.karoo.net/ants.htm>

<http://www.g3ycc.karoo.net/w3edp.htm>

<http://www.easystreet.com/~w7zoi/endfeed.html>

http://www.natworld.com/ars/pages/back_issues/2000_text/0600_text/dk_vert.html

http://www.g3vgr.co.uk/hw_ant.htm

<http://www.qsl.net/wb3gck/tuner.htm>

these are a sample of what you can find on www.google.com.

Alan KB7MBI in Woodinville, WA

FISTS 5702 Proud member of ARRL

Date: Sun, 24 Mar 2002 19:52:17 -0600

From: Tim - N9PUZ <N9PUZ@arrl.net>
To: Schunn99@aol.com,
Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123107] Re: random wire antennas?
Message-ID: <002f01c1d39f\$b1cac000\$a400a8c0@EOS>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> I was searching the web and read some qrp websites that mentioned
random wire
> antennas? I know you need a atu and that it is a muti-band antenna.
Could you
> guys give me the specs on that kind of antenna?(db, length, what
kind of
> wire is good to use) If someone could give any building instructions
and do
> you just attach a bnc connector to one end of the wire and then
attach the
> bnc to the tuner?
> I have been looking at different types of antennas to build.
> Scott Hunnicutt
> Kg4oqu

I've had good recent success with an off center fed long wire. While
not true QRP operation I've made about a dozen PSK31 contacts to the
East coast, Texas, West coast, and Canada running about 10 watts.

<http://www.arrl.org/members-only/tis/info/Html/antennas/oflw.html>

This isn't a typical end fed wire where the radiator comes all the way
into your shack. I build one of these last week cut specifically for
17 Meters. It works well on 17 directly coupled and tunes up well on
40, 20, and 15 too. The length is 1 wavelength for the frequency of
most interest and it is fed with coax 1/4 wave from one end.

My shack is on the 2nd floor of the house and this worked out much
better than an end fed wire that requires a really good RF ground or
counterpoise wires running inside the room. Made with small gauge wire
and light coax it would make a good portable antenna I think.

Tim N9PUZ

Date: Sun, 24 Mar 2002 19:05:06 -0700

From: "James R. Duffey" <jamesd1@flash.net>
To: <W2SH@aol.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [123108] RE: Tube Transmitters
Message-ID: <B8C3D3E2.13486%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="ISO-8859-1"
Content-transfer-encoding: quoted-printable

Charles - That is a good bibliography of tube transmitters.

If I were designing a tube QRP transmitter from scratch today, I think that I would use a 6CW4 (or other Nuvistor=81) for a VF0, followed by a 6CW4 buffer. Low power and heat mean a pretty stable VF0. Then a 5763 final.

Just a thought. Was such a rig ever designed? It seems like the Nuvistors=81 would have been too a good choice for a VF0 to pass up. - Dr. Megacycle
KK6MC/5

--=20

James R. Duffey KK6MC/5
Cedar Crest, NM DM65

Date: Sun, 24 Mar 2002 21:35:29 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <rmccarty@earthlink.net>
Subject: [123109] Re: QST Pictures
Message-ID: <009401c1d3a5\$bc55f8e0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Roger

Your son's pictures inspired me to drag out Pov-Ray and render me up a K1. Well, I was also pushed along by a nice QSO with a Swede Friday night, and no nice QSL card with my K1 on it.

Anyway, if you're interested, the image is at

<http://chartermi.net/~wb8rcr/images/K1/k1-big.jpg>

I really enjoyed your son's pictures. Some of those subjects are very difficult. Mine tend towards things a little simpler. Unless you've done it, you might not appreciate how much more work went into his than into

mine. I have a few more renderings on the Ray Tracing page of my web site, if you're interested. I even sold one for a magazine cover, and as I said, I don't have near the talent of your son. Tell him to keep up the good work.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 24 Mar 2002 21:01:38 -0600
From: "David & Jo Ann Lininger" <djlinin@positech.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123110] Re: Safety First
Message-ID: <3C9E3EB2.1025.3447FB3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

When I was a high school student, many years ago, my physics teacher told how another physics teacher cured a too-inquisitive student. The teacher had spent several hours untangling and replacing the fish line on those little stainless steel balls that hang from the bar, when the student arrived in the room, spotted the balls, and started banging them together. Of course, that resulted in more tangled fish line. The teacher got his revenge a few days later. He got a large capacitor, charged it up, and placed it on the desk. The student arrived, spotted the capacitor, and started playing with it. Eventually he touched both wires at the same time. The capacitor ended up in one corner, and the student in another. The teacher quickly grabbed the capacitor around the middle with thumb and index finger and chased the student around the room, while the class laughed. Eventually, the teacher tired of that sport, and took the capacitor to one of the girls in the class. He told her to grab the two leads. The "injured" student yelled for her to not touch them, but she trusted the teacher's wink. She grabbed the leads, and of course nothing happened. The class really howled then.

Of course, we can't do anything like that anymore (fortunately) but now I'm old enough to ask the questions that no one asked back then: Did that physics teacher have to explain about capacitors, and did that little demonstration interest anyone in the class in electronics?

David, KBOZKE
kb0zke@arrl.net
EM37kt home, EM37jv school

Date: Sun, 24 Mar 2002 21:14:52 -0600
From: "Doc Lindsey" <lindsey425@cs.com>
To: "QRP E-Mail Reflector" <qrp-l@lehigh.edu>
Subject: [123111] XR0X on 14.052.8
Message-ID: <NFBBLNBGKLJALOIPFPJJOKEAFCAAA.lindsey425@cs.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang:

Just bagged XR0X at 0148Z on 14.052.8. Setup here = GM-20 at 2 watts to a big horizontal loop up 33'. Never thought I would get him due to his big split. Turned the RIT control as far as possible, and gave it a shot anyway. He came back after three calls [g]. Wow, this guy has great ears. So give him a try everyone, and good luck for success.

73,
--Doc/K0EVZ

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

Date: Sun, 24 Mar 2002 22:08:09 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [123112] HUMOR: (Long) Humorous (I think) personal story
Message-ID: <00aa01c1d3aa\$4bb5ef00\$163ca43f@stickfarmers>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QRP Gangue,

Yesterday was a real QRP red letter day for me. It was such a good day they I wrote a little short play about it for both your enjoyment and mine.

"The Surplus Sale"

=====

by W1REX

The cast of players:

W1REX ... me... "The Tinman"owner of the biggest, deepest, heaviest QRP junk box in the East

Wife.....my wife...A woman who begrudgingly puts up with all of the above

Charley.....former physics professor of W1REX at the local university 10 mile distant some 35 years ago

Eric.....an EE professor running a surplus electronic equipment sale at same university but at a distant campus some 142 miles away

TIME: Friday night 6:00 pm

SETTING: W1REX reads local paper and happens to find an ad announcing a surplus electronic sale at a distant campus.....call ERIC the ad states.

QRP translation: W1REX opens the newspaper classifieds first thing and his eyes are drawn to a small obscure advertisement proclaiming that PRICELESS ANTIQUE ELECTRONIC EQUIPMENT will be changing hands for ridiculously low sums at a remote but very familiar site some 142 miles distant. Get a hold of ERIC immediately to see how big a vehicle is required to haul the PRICELESS equipment home.

ACT 1 Scene 1

=====

opens with W1REX on phone calling ERIC

Eric to any caller: (robotically with a real machine sound) "I am not available now. Please leave a message. If you are calling about the sale, a description of the items are listed on the department website. Thank you!"

W1REX to himself: (frustratingly) "Sh*t!" (For a G or PG rating replace * with an oo for all other ratings use an i)

ACT 1 Scene 2

=====

opens with W1REX on the computer after 2 hours of trying to link into a crashed website

W1REX to himself: (frustratingly) "Sh*t!" (see ratings note in Scene 1 above)

W1REX to wife@work: (emotionlessly over the phone) "Is it ok if I go over to the university with Charley tomorrow morning?"

Wife to W1REX: (begrudgingly) "yes"

W1REX to Charley: (talking excitedly on phone) "Charley! The EE department at UMO is holding a surplus
equipment sale...wanna go?"

Charley to W1REX: (also talking excitedly on phone) "What are they selling?"

W1REX to Charley: (still talking excitedly on phone) "I don't know!! Their website is down!"

Charley to W1REX: (also still talking excitedly) "OK! Where do I meet you? What time?"

Fadeout as the 2 co-conspirators have made all their plans and with the torn out advertisement mistakenly left on the kitchen counter near the phone.

ACT 1 Scene 3

=====

opens at 2:00 am with W1REX in bed as his Wife enters the bed after a long late night shift at work

Wife to W1REX: (frostily with a rather rhetorical lilt) "Are you and Charley going up to Orono tomorrow?"

W1REX to wife: (caught-in-the-actingly) "Yes Dear!"

Fadeout as time commences slowly with no other repartee taking place in the bed chamber.

ACT 2 Scene 1

=====

opens at 9:00 am in a somewhat crowded university hallway far far from home

W1REX to Charley: (really really frenzically) "OK! You know what I like and I know what you like so lets split up and start making a pile!"

Fadeout as the 2 heroes of the play are busily scanning the shelves while a pile of PRICELESS ANTIQUE ELECTRONIC EQUIPMENT magically grows larger in the foreground.

ACT 2 Scene 2

=====

opens at 10:00 am in a university hallway beside a mound of PRICELESS ANTIQUE ELECTRONIC EQUIPMENT

Eric to W1REX: (amazingly) "Looks like I'm going to have to give you a bulk discount!!!!!"

W1REX to Eric: (matter-of-factly) "That's generally the way I operate"

Eric to W1REX: (generously) "How about a hundred bucks."

W1REX to Eric: (QUICKLY) "OK!" as he quickly writes out the check before any other sum can be forthcoming

Fadeout as our 2 heroes use the lab cart to haul their newly acquired PRICELESS ANTIQUE ELECTRONIC EQUIPMENT down to the loading dock for the long drive home

ACT 2 Scene 3

=====

opens at 10:30 am at a loading dock as our 2 heroes try to stuff the last few pieces of PRICELESS ANTIQUE ELECTRONIC EQUIPMENT into any available space of their rather stuffed but formerly cavernous station wagon

Charley to W1REX: (amazingly) "We should have brought your truck!"

W1REX to Charley: (confidently) "We'll get it all in there! If I had brought my truck we would have just had a bigger problem when THAT was full!")

Fadeout as our 2 heroes fit the last piece of PRICELESS ANTIQUE ELECTRONIC EQUIPMENT into the vehicle and drive off....

ACT 2 Scene 3

=====

opens at 2:30 pm as our main hero returns home to a now somewhat warmed spouse

Wife to W1REX: (quizzically but still rhetorically) "Did you find anything

you just couldn't live without?"

W1REX to Wife: (understatingly) "Just a couple of things that I can use at work Dear! Oh! By the way, if you use the station wagon before I get a chance to unload it, take it slow up the road. Some of the equipment that I bought is quite delicate."

QRP translation: "If she hits a pothole with that load in the back, she'll break an axle for sure!"

The final curtain comes down as our hero takes over the care of their 3 year old daughter and the Wife prepares to leave the house for some personal time before once more going to work on the late night shift at the very same paper that included the now infamous advertisement.

PROP DEPT. NOTES

PRICELESS ANTIQUE ELECTRONIC EQUIPMENT requirements:

2 cylinder dry vacuum pump
heated vacuum oven with full visibility door
contact exposure frame with built in safety lite
50 Mhz max. center freq. rack mount Spectrum Analyzer
1 to 1000 Mhz Gov't. surplus Signal Generator (mint cond.)
Boonton digital RF power meter WITH bolometer
rack mount function generator
couple of clunky rack mount instruments with a plethora of knobs, switches, displays and other ass't electronic gizmos
5 Benchtop/portable Power Supplys with multiple filament and B+ voltage outputs
Several dozen 6AK5 NOS vacuum tubes
NOS 250VCT 50ma transformer
2 NOS HP plug ins with 10 turn pots w/indicators, 9 nuvistors in sockets, BNC bulkhead fittings etc (mint)
1948 ARRL handbook with great 1 & 2 tube xmitter articles

As I wrote in my play, "Just a couple of things that I CAN use at work!"

72,

W1REX Rex Harper "The Tinman"

Date: Sun, 24 Mar 2002 23:03:41 -0500
From: "Marty N5NW" <n5nw@n5nw.org>
To: "QRP" <qrp-1@lehigh.edu>
Subject: [123113] Re: HF Pack Shootout Observations (was Miracle Whip)
Message-ID: <HJELKOJDNFAJGICJMIFGAEANDEAA.n5nw@n5nw.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks for the explanation, Ed. I did not mean to cast a doubt on the shootout, and if I did I'm sorry. It was a very effective testing ground for one aspect of antenna performance.

Where I get a bit miffed on occasion is folks who evaluate a particular antenna (or anything, for that matter) based on one set of data points. Kinda like evaluating a rig based on power output alone. Or a car based solely on horsepower. Sure, we need to know those bits of info, but effectiveness will be judged subjectively by a series of data points (or at least should be, in my mind).

I'll pick the 5% efficiency radiator with a 5 degree takeoff angle over the 75% efficient radiator that is a real cloud warmer. But I like working DX. Domestic contesters would favor the latter, I'd imagine.

My sports car is of no value in transporting a family of four with luggage. :)

Some backpackers will do most anything to shave a few ounces from their loads. My favorite is the guy who hollows out his toothbrush handle. The Miracle Whip appeals to that group, very much! Of course I believe it is called the Miracle Whip because it's a miracle you can make QSOs on it.

But, as you mention, if decisions are being made on single data points, then certainly the shootout is the best data point to have!

I do hope to make some of the evening activities at FDI. Unfortunately, I have a management meeting at work the day of FDI seminars. Since I'm expected to lead some of the meeting, I suppose I'd better be there! Hopefully I'll catch up with everyone Friday evening at Vendor Night and we can share that coke. Or pop, as they say here in Dayton.

72/73 de N5NW/8 (Marty)
Dayton, OH

Date: Sun, 24 Mar 2002 23:32:05 -0500
From: w4bws@juno.com
To: roy537@prodigy.net
Cc: qrp-1@Lehigh.EDU
Subject: [123114] Re: ALTOIDS TINS
Message-ID: <20020324.235325.-171497.0.W4BWS@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I got gas today and noticed the Speedway had tins of mints
with Peanuts characters on them. Just the thing for our QRP
Peanut Whistles.

Don W4BWS

On Sat, 23 Mar 2002 23:44:24 -0500 "DIANNE M WISE" <roy537@prodigy.net>
writes:

> Today I noticed that Kroger's grocery stores in Ohio and West
> Virginia carry
> Whitman's tins in the candy section of the store. I believe that
> when I
> lived in Kansas last year that Hallmark's Card Stores occasionally
> had
> Whitman items.
>
> Roy KE0UQ
>

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<http://dl.www.juno.com/get/web/>.

Date: Sun, 24 Mar 2002 22:41:20 -0600
From: "ukii" <ukii73@ameritech.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123115] Help,I stole an SWR kit (2nd time)
Message-ID: <000701c1d3b7\$5474c820\$6401a8c0@hans1stfloor>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang...

Once again I must ask the list for help...

A few years back there was an SWR kit available from one of the clubs,,,,

Anyway,someone sent me one and I never paid for it.

I put a message similar to this out a year or 2 ago and the guy who sent me the kit responded with where/who I should send a payment to.

I sent out a check and that was that...

Well,tax time here and our accountant tells me that check was never cashed...(along with other boo boo's)

ANYWHO,please,

who do I owe money to,again???

Thanks!

John

n9ukx

Date: Sun, 24 Mar 2002 20:50:34 -0800

From: "Dave Martin" <k2zu@seanet.com>

To: <qrp-1@Lehigh.EDU>

Subject: [123116] FS Paddles

Message-ID: <000101c1d3b8\$9ba1cd00\$1fa3f5d1@sally>

I have an almost new set of HI-MOUND paddles for sale. Twin lever,close spacing. \$100 shipped conus. Dave nb7n.

Date: Sun, 24 Mar 2002 22:09:37 -0700

From: Chris Howard <chris@yipypap.com>

To: qrp-1@lehigh.edu

Subject: [123117] tiny tins

Message-ID: <20020324220937.51420@amos.yipypap.com>

Mime-Version: 1.0

Content-Type: text/plain; charset=us-ascii

To all you tin types out there...

At the drugstore the other day I noticed a tiny tin.

It was a cube, about an inch per side. It was a product called Bag Balm.

Also, at some of the stores in our town they sell some magnetic characters called 'benders'. I have one that came in a fish-shaped tin about 3 inches long.

Chris
kc0atc

--
Chris Howard
chris@yipypap.com
current Estes Park weather -- <http://www.yipypap.com/wscurrent.html>
YipYap.Com
Estes Park, Colorado USA

Date: Mon, 25 Mar 2002 13:42:13 +0000
From: Chuck Adams <k7qo@earthlink.net>
To: wb8rcr@arrl.net, qrp-l@lehigh.edu
Subject: [123118] [OT] artistic talent by WB8RCR
Message-ID: <5.1.0.14.0.20020325133557.009f11d0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>
>Anyway, if you're interested, the image is at
>
><http://chartermi.net/~wb8rcr/images/K1/k1-big.jpg>

>72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
>didileydadidah QRP-L #1446 Code Warriors #35

I am thoroughly impressed. I use POV-Ray 3.1 under Linux and from experience I can tell everyone that it is not all that easy to render a K1 or K2 in three dimensions as Ron has done.

I used to do all my stuff in OpenGL until I retired the SGI O2 recently.

if you go to <http://www.povray.org/> and look down at the previous winners in their contests you will find a vacuum tube and a paddle done up nicely. Sorry I don't have the

references handy but someone can surely find them easily once they get to the POVray home page.

BTW POVray is a freeware program and the organization does take contributions to help their work. You can download versions for a number of systems and you do get the source.

FYI,

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Sun, 24 Mar 2002 22:19:12 -0800
From: Rhett Isley <risley@ipass.net>
To: qrp-1@lehigh.edu
Subject: [123119] POV Ray tracings
Message-ID: <3C9EC15F.257EF744@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Have anyone done a K2?

The K1 from WB8RCR, John, was very cool!

72 de Rhett, KB4HG/7
Everett, WA

Date: Mon, 25 Mar 2002 00:43:05 -0600
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-1@Lehigh.EDU
Subject: [123120] Homebrew Sprint + Doc and XR0X on 30m
Message-ID: <IHBAUTQUS641VHGRQ2UYUNHDCGA3284.3c9ec6f9@aweiss>
MIME-Version: 1.0
Content-Type: text/plain; charset="windows-1252"

Hi all:

I didn't see Doc K0EVZ post his bagging of XR0X on 30m. Welllll, he did and I was listening!!! Great job Doc! Boy, that loop must have magical properties.
He works all knid of DX on 30m.

Any rate, the Homebrew Sprint was very disappointing. 20m was doing OK until everybody dropped out of sight at around 0200. 40m was very noisy and hard to work much. A lot of QSB too - 44-58 swings.

Oh well, the A-Index is up around 35, so that usually muddles it up.

I only did 15 on 20m with my vintage Viking 3x5 that graced the front cover of CQ a while back. I used my old 1978 420XC design (in CQ also) at 5w on 40m. It has a narrow audio filter (d.c. rx) which makes a noisy band sound noisier. Worked 16 on 40. There wasn't that much to work on either band.

Last year I called it the "best" sprint ever. Next year!

72, Ade W0RSP

Date: Sun, 24 Mar 2002 23:17:43 -0800
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp <qrp-l@lehigh.edu>
Subject: [123121] re: Elecraft KFL1-4 Four-Band Filter Board Mod de K7Q0
Message-ID: <3C9ECEE5.428C0A90@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Chuck,

Thanks for opting for a K1-4 for your Dayton trip. (I'll have one, too ;)

Regarding the caps mounted on the bottom of the KFL1-4 board: I just looked at the KFL1-4 PCB layout to refresh my memory as to why I put them there. Most of them are there because of the relatively high density of components on the top in these areas, where additional closely-packed reference designators might have caused confusion, or

would have forced me to use a much smaller font. (We try to use large type whenever possible since some of our customers are over 30.) A few of the 10 caps on the bottom don't have this problem, but they're included in the bottom-mounted group because they're all nearly identical (.001 uF, 0.1" spacing).

In this case, as you correctly determined, you can install them all on the top without introducing any assembly problems. But in general we recommend using the procedure in the manual.

Have fun with the rig--

Wayne
N6KR

Date: Mon, 25 Mar 2002 01:52:43 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <w4bws@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123122] Re: ALTOIDS TINS
Message-ID: <007101c1d3d2\$11942940\$9311a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<---

I got gas today and noticed the Speedway had tins of mints with Peanuts characters on them. Just the thing for our QRP Peanut Whistles.
Don W4BWS
--->

Now the important question... was it the peanuts that gave you the gas? :^D
(jk, jk)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom>

AIM - kc0bom, jimrob4 --- MSN - jimrob@jetnetinc.net
Y! - kc0bom --- ICQ - 114690148

Date: Mon, 25 Mar 2002 03:23:31 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123123] Re: tiny tins
Message-ID: <5.0.2.1.0.20020325030045.00ad0670@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:09 PM 3/24/2002 -0700, Chris Howard wrote:

>To all you tin types out there...

>

>At the drugstore the other day I noticed a tiny tin.

>It was a cube, about an inch per side. It was a

>product called Bag Balm.

Bag Balm cans....you are cracking me up!!!

Bag Balm was invented for cows udders as far as I know. I have a can of it about 2.5"x 2.5"x2.5".and bought at a farm supply store.Turns out it is GREAT for dry skin during the winter for people.so don't waste it.The stuff is pretty tenacious

so you might have trouble degreasing the can. My can is almost empty so will have to dream up a project for it. It should blend in well with my TT-2 and 555 Spam can keyer :-)

73 Pete NV4V

Date: Mon, 25 Mar 2002 19:05:19 +0900
From: Junichi Nakajima <nakaji@crl.go.jp>
To: qrp-l@Lehigh.EDU
Subject: [123124] Simple Active DBM DC Receivers (picture, comparison)
Message-ID: <200203250959.SAA17875@ryuu.>
Mime-Version: 1.0
Content-Type: text/plain; charset=iso-2022-jp

Hi all,

Attracted by simple DC receivers, I have built several 40m DCs presents here. These are

- (1)MRX-40 :NE612+LM380, reference QST-web
- (2)JH5ESM-type:TA7358+TA7368, reference JH5ESM-web (Japanese)
- (3)JL1KRA-type:SN16913P+LM386, some reference FUJIYAMA-site

For a period a picture of the receivers are placed at
<http://www2.crl.go.jp/ka/radioastro/people/nakajima/DC3kind.jpg>
(not linked from any page)

For QRPer who is not familiar with the latter 2 DBM ICs, briefly,
the TA7358 is a DBM IC for small FM radio include oscillator.
The SN16913P is popular DBM recently discontinued. Although Texas
does not provide the SN16913 in their product line up, Mizuho MX
series and many JA rigs uses one. One of the mystery among QRPers
here is that even the latest FT817 use the discontinued IC.
JA-QRP club kit FUJIYAMA(18MHz SSB/CW QSK) also used the SN16913
and the kitting group gave up second run since they are not afford
to buy anymore. Where the Yasesu get the SN16913 or did they buy up
all of them ?

Back to the project.

The following table shows comparison of the typical 3
IC combination DCs and my personal performance judgement.

I had been expected difference by selected ICs. But I
understand rather than the IC selection, the design of the DC
define the receiver feelings. Thus you should build your
own DC by using DBM IC which you can obtain in your situation.

	DC receiver			
	(1)	(2)	(3)	remarks
Batt voltage	9V	3V	9V	:TA73xx prominent in low voltage
AF Loudness	loud	med	med	:LM380 boost power
Stability	good	QRH	good	:VXOs vs VFO
Selectability	soso	good	soso	:AF-LPF determine this
Sensitivity	good	good	good	:almost same
Variable width	5KHz	100KHz	10KHz	:VXOs vs VFO
Number_of_parts	small	many	soso	:MRX40 is extremely simple
Howling	no	occur	no	:
BC pass through	little	yes	little	:depends antenna and front-end design

Other impressions:

*MRX40(NE612) <http://www.arrl.org/tis/info/qrpprojs.html>

Impressive with the clear tone, although the selectivity is low,
forgetting 250Hz filter of stock Yaecomwood, the simultaneous
reception of stations remind me the bandwidth existing in 40m.

Dramatic simple. No other word for QRP purist.

Construction 2-3hours.

*JH5ESM-type(TA7358)\$B!!(B<http://member.nifty.ne.jp/cosy/jh5esm/> (Japanese)

However the low voltage operation without punch of AF loudness,

it is interesting to use the other purpose IC to amateur-band.
Varicap tuned wide-range VFO provides 100KHz coverage and
no frustration of frequency limit.
Construction 4-6hours.

*JL1KRA-type(SN16913) <http://www.ksky.ne.jp/~t-kato/hamf/FUJIYAMA-E.html>
This is familiar sound quality like MX-series, my design does not
include AF-LPF. But still a lot of parts due to external VXO.
Using good BPF FCZ ham-band coil of tuned 7MHz, no BC pass through.
Just satisfaction to use similar DBM IC in Yaecomwood and the
rigs never gives me such simultaneous warble fun in the band.
Construction 3-4hours.

Conclusion (no end as hobby)
When you make a first DC receivers, NE612 is fairly good choice.
With the DBM IC, VFO or VXO should be chosen depend your purpose.
AF-LPF should be selected if you need.
As for DBM IC, old SN76514, MC1496 and others would be other
choice, but they need external parts more and many pins.

Thank you reading all of my post. Enjoy QRP !

Rgds.,

JL1KRA/QRP Junichi Nakajima

USrig:NC38S/Sierra/NC40/NC49er/NC20/DSW/TT2/HA5/Pixie/Tixie/EP3/SST
JArig:Mizuho MX14S/P7DX/P21DX/P21DX-clone/FUJIYAMA/FCZ/FT-817/IC756"S"(QRP)

Date: Mon, 25 Mar 2002 06:28:41 -0500
From: G Brandon Hoyt <preacher102677@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [123125] The Power of 25 watts
Message-ID: <20020325.062842.-253717.0.preacher102677@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

XR0X at 1226 UTC, Radio shack HTX-10, Antenna is a folded dipole, ends
stretched North and South, cut for 40m. 59 both ways. 28495!!
Go get em, open like a busta to the east coast...

LIC,
G. Brandon Hoyt --"Known far and Wide as the Great Pumpkin."
Photographer, Philosopher, Preacher, Pirate, Poet.
"God didn't promise me the sun wouldn't smite me by day" James D. Vernon

DE KG4GVL Clear.

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Date: Mon, 25 Mar 2002 05:50:31 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: Doc Lindsey <lindsey425@cs.com>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [123126] Re: XROX on 14.052.8

Message-ID: <Pine.LNX.4.33.0203250549160.1690-100000@Daisy.dog>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Does anyone know where XROX is located? I have a beam you see and need to point it.

On Sun, 24 Mar 2002, Doc Lindsey wrote:

> Gang:

>

> Just bagged XROX at 0148Z on 14.052.8. Setup here = GM-20 at 2 watts to a
> big horizontal loop up 33'. Never thought I would get him due to his big
> split. Turned the RIT control as far as possible, and gave it a shot anyway.
> He came back after three calls [g]. Wow, this guy has great ears. So give
> him a try everyone, and good luck for success.

>

> 73,

> --Doc/K0EVZ

> ---

> Outgoing mail is certified Virus Free.

> Checked by AVG anti-virus system (<http://www.grisoft.com>).

> Version: 6.0.338 / Virus Database: 189 - Release Date: 3/14/02

>

>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 07:05:37 -0600
From: Chuck Carpenter <w5usj@9plus.net>
To: k5di@zianet.com,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [123127] Re: XR0X on 14.052.8
Message-ID: <3.0.2.32.20020325070537.0083b750@mail.9plus.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Karl,

>Does anyone know where XR=D8X is located? I have a beam you see and need to=
=20
>point it.

Off the West coast of Chile. San Felix Isle -- <http://cordell.vwh.net/SFX/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>

Date: Mon, 25 Mar 2002 07:44:00 -0500
From: "Michael C. Boatright" <ko4wx@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [123128] re: Elecraft KFL1-4 Four-Band Filter Board Mod de K7QO
Message-ID: <5.0.2.1.2.20020325074227.022dd940@pop.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I wonder how many folks are bringing K1's w/ KFL1-4's (or without...) to
FDIM? Wouldn't it be cool if there were a bunch of them there and we could
snap a photo for the ele.com website, say on Saturday night?

72 de Mike, K04WX
Michael C. Boatright

Date: Mon, 25 Mar 2002 06:14:02 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Carpenter <w5usj@9plus.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123129] Re: XR0X on 14.052.8
Message-ID: <Pine.LNX.4.33.0203250612420.2084-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=ISO-8859-1
Content-Transfer-Encoding: 8BIT

Thanks Chuck. I will point South. And check out the web page.

On Mon, 25 Mar 2002, Chuck Carpenter wrote:

> Karl,
>
> >Does anyone know where XR X is located? I have a beam you see and need to
> >point it.
>
> Off the West coast of Chile. San Felix Isle -- <http://cordell.vwh.net/SFX/>
>
>
>
> Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
> QRP-ARCI #5422, QRP-L #1306, SOC #57, 6 Club #201, SMIRK #6275
> Zombie #759, QRPp-I #115, COG #11, NETXQRP <http://www.netxqrp.org>
>

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 06:24:03 -0700
From: "Conant, Paul" <paul.conant@lmco.com>
To: "'schunn99@aol.com'" <schunn99@aol.com>,
 "'qrp-l@Lehigh.edu'" <qrp-l@Lehigh.edu>
Subject: [123130] random wire antennas?
Message-ID: <675067CF647BD4118DEA00508BE32AB407965E1F@emss02m09.ems.lmco.com>
Content-return: allowed
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Here is an effect that I have consistently experienced with respect to random wire antennas. The most recent example occurred just last night. I called CQ at 4W to a 30-meter dipole. I gave the station that answered, somewhat generously, at 449; it was more like 339. He was running 5W from an FT-817 through a tuner to a random wire and gave me a 569. This is what usually happens when I work other QRP stations who are using random wires. Maybe my receiver is just not as good as theirs, but it could be that a random wire just doesn't get out as well as a resonant dipole? If it does, then I am having consistently lopsided experiences with the reciprocity principal. 72,

Paul, WQ5X

Date: Mon, 25 Mar 2002 06:26:39 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [123131] XR zero X
Message-ID: <Pine.LNX.4.33.0203250624140.2084-100000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The DX station off the coast of Chile is closing down today! He will be on 10 and 20 meters today only and they leave tomorrow.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 08:26:39 -0500
From: Gary Lee <kb9zuv@arrl.net>
To: qrp-l@lehigh.edu
Subject: [123132] insomnia activities
Message-ID: <3.0.6.32.20020325082639.007a4600@mailhost.ind.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Had one of those nights last night. Finally gave it up about a quarter to three. Went in and fired up the explorer 30. I reached oregon on 10.107

with what I have been told is 2.5 watts. Then went in and checked the band with the sony 2010. wwwvh completely overpowered wwwv on 10 mhz. Hope some others were alive and had some fun as well.

Gary Lee
Ball State University
765-285-1310

Date: Mon, 25 Mar 2002 04:30:32 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [123133] FS Ten Tec 515 qrp
Message-ID: <Pine.LNX.4.33.0203250419390.696-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have the Ten tec 515 for sale. This was the argonaut to have. CW with qsk and SSB qrp rig. It includes the manual, a new straight key (Wm. M. Nye) mounted on an oak plank and a spare set of final transistors. I just got a new accessory plug for the back of the rig. Package price \$375.

73,

Jim n2go

Date: Mon, 25 Mar 2002 06:17:26 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [123134] Tubes; A Beautiful 6T9 Transmitter
Message-ID: <042501c1d407\$ca8f8ef0\$2802a8c0@RAMcCarty>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi folks, wanted to share this with you. Howard Kraus K2UD, mentioned in a prior post that he had built the 6T9 Transmitter discussed on the list. He sent me some pictures and... Boy Howdy, did he build a 6T9 Transmitter!!

Take a look at the link for an example of some absolutely beautiful

construction work.

<http://home.earthlink.net/~rmccarty/Kraus>

Thanks Howard, for sharing these with us.

Send comments to;

Howard Kraus [K2UD@adelphia.net]

73

Roger KD6CC

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002

Date: Mon, 25 Mar 2002 08:33:20 -0600

From: "W5TB" <w5tb@arrl.net>

To: <Schunn99@aol.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [123135] Re: random wire antennas?

Message-ID: <012301c1d40a\$033d6040\$0200a8c0@altn1.tx.home.com>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: quoted-printable

----- Original Message -----=20

From: <Schunn99@aol.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Sunday, March 24, 2002 4:34 PM

Subject: random wire antennas?

> hi, guys

> I was searching the web and read some qrp websites that mentioned =
random wire=20

> antennas? I know you need a atu and that it is a muti-band antenna. =
Could you=20

> guys give me the specs on that kind of antenna?(db, length, what kind =

of=20

> wire is good to use)=20

I've used these with good success and just installed one at my xyl's =
folks house where we spend a weekend each month. I wanted something =
fairly stealthy so I opted for the random wire using 20 guage twisted =
pair telephone wire I had handy - it's coated with a blue & yellow =
covering which makes it hard to spot unless you know what you're looking =
for.=20

I simply ran the wire out the window (which has a plywood section so =
they can fit a window air conditioner in the room) -- wrapped it once =
around a 3" TV line standoff just outside the window -- then up to the =
second story eave where I ran it thru a second 3" TV line standoff -- =
then over the tallest tree limb I could hit about 8' away -- from there =
across trees in back yard as high and nearly straight as I could get it =
(a few zigs and zags up/down, right/left -- whatever worked :-)=20

Total length -- unknown, probably 90' - 100' or so. Then I ran a =
counterpoise out a second hole in the plywood, around the corner and =
along the back of the house, keeping it off the ground but low enough to =
be nearly invisible -- maybe 18-20' long? Tunes fine 80-10 with a =
little MFJ 971 tuner (great because it has a QRP scale for 0-6W) If it =
didn't I'd adjust the counterpoise length -- if that didn't do the trick =
I'd cut a few feet off the antenna wire.

How does it work? I've worked all states and DXCC running similar =
antennas at 5W. Only a couple hours on this particular one in Paris TX =
but the first night I worked UR7GW, S52KA, I1YRL and F5IN (no contest =
on -- returned their CQs) then had nice 5 - 20 minute QSOs with IL, NC, =
SC,TX,OH and IA

> and do=20

> you just attach a bnc connector to one end of the wire and then attach =
the=20

> bnc to the tuner?

yes, I use a 1' section of RG58 between the rig and MFJ tuner BNC on the =
rig end and an SO 259 to the MFJ tuner

Moral -- although it's hard to beat a good dipole fed with open line a =
random wire/counterpoise is a LOT better than an attic antenna (or no =
antenna at all! Put it up and get on the air ! ;-)

72, 73, oo T.E. 'Doc' Drake, W5TB

Arlington, Texas

FISTS # 5365 QRPARCI # 3532 ARRL Life Member K1 #181 K2#1617=20

----- Original Message -----=20

From: <Schunn99@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, March 24, 2002 4:34 PM
Subject: random wire antennas?

> hi, guys
> I was searching the web and read some qrp websites that mentioned =
random wire=20
> antennas? I know you need a atu and that it is a muti-band antenna. =
Could you=20
> guys give me the specs on that kind of antenna?(db, length, what kind =
of=20
> wire is good to use) If someone could give any building instructions =
and do=20
> you just attach a bnc connector to one end of the wire and then attach =
the=20
> bnc to the tuner?
> I have been looking at different types of antennas to build.
> Scott Hunnicutt
> Kg4oqu

Date: Mon, 25 Mar 2002 09:39:02 -0500
From: Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu>
To: qrp-1@Lehigh.EDU
Subject: [123136] MFJ 9420 drifty
Message-ID: <p05100303b8c4e68bcaa1@[132.235.81.75]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Hi all,

Has anyone discovered a drifting problem with the MFJ 9420?
It is a neat little rig but I am having trouble keeping it on freq.
Any mods for this rig? I got it as a SSB rig but would prefer the CW
version. What does it take to convert it to CW operation?

Thanks in advance,

NS80 Greg

Date: Mon, 25 Mar 2002 09:53:17 -0500
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>

To: <qrp-1@lehigh.edu>
Subject: [123137] Code
Message-ID: <6579C6377F475547985F0B3E426E16261404A9@0CCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

This is what I was going to recommend. Except I would say after the test practice sending more and more with the hand key. This=20 gives the mind reinforcement to the characters. Then test your self again, then repeat. By testing yourself again and again you make it easier for others to copy you once you get on the air. Oh by the way, do get on the air a lot.=20

Marty kd8bj

-----From Digest of 2501 3-21-02-----

Date: Wed, 20 Mar 2002 21:24:52 -0500
From: Bob Mason <skydive@usa.net>
To: qrp-1@Lehigh.EDU
Subject: [122745] RE: paddles?
Message-ID: <NFBBLFFOILIDGGKFDNEBCEFNCDAA.skydive@usa.net>
MIME-version: 1.0
Content-type: text/plain; charset=3Dus-ascii
Content-transfer-encoding: 7bit

Havn't really been following this thread, but read a comment about the = lower limit where a keyer is actually harder to send with...

Here goes my old fart routine: I send with a straight key for about 2 years, then with a bug for the next 32. I have never tried sending with = a keyer (although I probably will, off air, when the K1 gets here). My thought is that there are entirely too many people trying to use keyers = who have absolutely no business doing so yet. Until someone has a grasp of = the sound of the code, they seem to be reacting to what the keyer does, = rather than the keyer reacting to them. The result is all the extra letter elements that make copying so much fun.

As an absolute minimum (this is an opinion here, no real proof) nobody

should be using a keyer at any speed until they can copy in their sleep =
at
least 5 words per minute faster than they will be trying to send. I =
would
prefer a 10 wpm margin. In this way, the op would be reasonably =
comfortable
with the sound, and not be attempting to count dits and dahs as the =
keyer
tries to outrun them.

A lot of people are under the impression that they can send faster than =
they
can copy. Maybe they can generate code faster than they can copy, but =
will
anybody else be able to copy it?

Everybody try this (I did a couple years ago, and the results were
upsetting to say the least):
Grab your tape recorder and send about 5 minutes of text into it at the
fastest speed you send on the air. Then send some random groups of
different lengths. Send it from a page you have written down so you can
check yourself later. The random groups are extremely important as you
won't be able to anticipate them later. the different length groups are
important, because you have to be able to find your word / group breaks
later. Wait a couple days, then play the tape and write down what you
hear. If you can't make a perfect copy of what you sent, then probably
others can't either. I flunked this a couple years ago when I thought I =
was
sending great. I hope I've improved since then.

The above test applies to whatever kind of key your using. Not just
keyers... there's a lot of crappy bug and straight key sending out there
too.

73 / 72

Bob WB8CAC

Marty Hartwell
AT&T Columbus Ohio
PH:614-501-2503

Date: Mon, 25 Mar 2002 10:09:15 -0500

From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-1@lehigh.edu>
Subject: [123138] Hotel operation
Message-ID: <6579C6377F475547985F0B3E426E162632852E@0CCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi

Here are my ideas on operation from hotel and vacation sites. In hotels =
I have found
that I do best from hotel/motels where I am on the ground floor with =
access to my=20
vehicle out a window or sliding glass door. Then run a length of coax =
in to the room.
On the car I have a Larsen Mag mount with the NMO connection. Now on =
that is an adapter
I bought from Universal that adapts to the 3/8" 24 type connection to =
such as the=20
Hustler, various single band vertical antenna. Seems to work better than =
a MW inside=20
the room. I have used the MW, I returned it I did make contacts, not =
many, I expect=20
a dummy load may have worked those few contacts also. At vacation sites =
on the Atlantic
side of the US, I have taken the rig and wire, I have strung it late in =
the evening to
a corner of the board walk going out the beach. In my opinion it works =
better than a
vertical discribed above, but that doesn't supprise me either.

If I wanted to use a MW type of antenna I would build my own. If I =
needed plans I=20
would go to the web site of Geoff and print those and use them. Thus =
saving myself
over a hunder dollars. If I had enough money I guess I would buy the MW =
just to have,
they make a fine receiving antenna, and do work on VHF, 6,2 and 440, and =
maybe on some
bands like 17, 21, 24, 28 MHZ. I would use a couple of counter poises =
though.

Just my two cents worth.

Marty kd8bj

Marty Hartwell
AT&T Columbus Ohio
PH:614-501-2503

Date: Mon, 25 Mar 2002 10:12:55 -0500
From: "Mark J. Dulcey" <mark@buttery.org>
To: plburbank@kih.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123139] Re: tiny tins
Message-ID: <3C9F3E77.201@buttery.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Pete Burbank wrote:

> At 10:09 PM 3/24/2002 -0700, Chris Howard wrote:
>
>
>> To all you tin types out there...
>>
>> At the drugstore the other day I noticed a tiny tin.
>> It was a cube, about an inch per side. It was a
>> product called Bag Balm.
>
> Bag Balm cans....you are cracking me up!!!
> Bag Balm was invented for cows udders as far as I know. I have a can of it
> about 2.5"x 2.5"x2.5".and bought at a farm supply store.Turns out it is
> GREAT
> for dry skin during the winter for people.so don't waste it.The stuff is
> pretty tenacious
> so you might have trouble degreasing the can. My can is almost empty so
> will
> have to dream up a project for it. It should blend in well with my TT-2
> and 555
> Spam can keyer :-)

What Chris saw is the new tiny tin of Bag Balm; it is indeed being sold in drugstores now. The tiny one is about half the size of the small tin in each direction, so it likely holds a mere ounce or so. The medium tins (the 2.5" cube that holds around ten ounces) are available from places like the Vermont Country Store (a mail-order business as well as an actual store), as well as farm supply places. And there is a big tin, which is about twice the size each way (5" cube), and holds a lifetime supply for human use.

And Pete is right; it is great stuff for dry skin.

Date: Mon, 25 Mar 2002 10:17:11 -0500
From: "Brian" <brian@iquest.net>
To: <mark@buttery.org>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123140] Re: tiny tins
Message-ID: <002c01c1d410\$253cee80\$3d05080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

We've used Bag Balm for years. My eldest is 21, we used Bag Balm on his baby buns 21 years ago. Its a great barrier for diaper rash too!

----- Original Message -----
From: "Mark J. Dulcey" <mark@buttery.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 25, 2002 10:12 AM
Subject: Re: tiny tins

> Pete Burbank wrote:
> > At 10:09 PM 3/24/2002 -0700, Chris Howard wrote:
> >
> >
> >> To all you tin types out there...
> >>
> >> At the drugstore the other day I noticed a tiny tin.
> >> It was a cube, about an inch per side. It was a
> >> product called Bag Balm.
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> > for dry skin during the winter for people.so don't waste it.The stuff is
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> in each direction, so it likely holds a mere ounce or so. The medium
> tins (the 2.5" cube that holds around ten ounces) are available from
> places like the Vermont Country Store (a mail-order business as well as
> an actual store), as well as farm supply places. And there is a big tin,
> which is about twice the size each way (5" cube), and holds a lifetime
> supply for human use.
>
> And Pete is right; it is great stuff for dry skin.
>
>
>
>
>

Date: Mon, 25 Mar 2002 10:35:34 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123141] Re: tiny tins
Message-ID: <00af01c1d412\$b4ee4ae0\$7101a8c0@lwrnce01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Sounds like it would be perfect for an "udderly" small rig.

73/72/71! de Brice KA8MAV
<http://www.QRPp-I.com>

----- Original Message -----

From: "Mark J. Dulcey" <mark@buttery.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 25, 2002 10:12 AM
Subject: Re: tiny tins

> Pete Burbank wrote:
> > At 10:09 PM 3/24/2002 -0700, Chris Howard wrote:
> >

> >
> >> To all you tin types out there...
> >>
> >> At the drugstore the other day I noticed a tiny tin.
> >> It was a cube, about an inch per side. It was a
> >> product called Bag Balm.
> >
> > Bag Balm cans....you are cracking me up!!!
> > Bag Balm was invented for cows udders as far as I know. I have a can of
it
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> > for dry skin during the winter for people.so don't waste it.The stuff is
> > pretty tenacious
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>
> What Chris saw is the new tiny tin of Bag Balm; it is indeed being sold
> in drugstores now. The tiny one is about half the size of the small tin
> in each direction, so it likely holds a mere ounce or so. The medium
> tins (the 2.5" cube that holds around ten ounces) are available from
> places like the Vermont Country Store (a mail-order business as well as
> an actual store), as well as farm supply places. And there is a big tin,
> which is about twice the size each way (5" cube), and holds a lifetime
> supply for human use.
>
> And Pete is right; it is great stuff for dry skin.
>
>
>

Date: Mon, 25 Mar 2002 10:38:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: Schunn99@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [123142] Re: random wire antennas?
Message-ID: <3C9F4477.9413BD55@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've read several of the replies and they are all good. A random wire

antenna is often the easiest antenna to put up, as it always runs from here, the rig, to there, a convenient support. And it has its feed line built in!

It will work with the simplest of tuners. simple L-networks work very well. I put up one here when I bought this house. It has served me well for 6 years, only blowing down once, and that was, fortunately, before I got into this wheelchair!

Please don't overlook the ground circuit. I use an MFJ artificial ground. It allows me to tune the ground current for a maximum with only about 8 feet of ground wire. Do not try to use a ground wire and ground rod! The length is too hard to match. Use resonant counterpoises for each band if you can't afford a ground tuner.

I have worked all states and DXCC with mine. Before I moved into this house I used a random wire antenna made from about 45 feet of #26 magnet wire. I had to replace this one every so often, but I also worked all states and DXCC with it too!. You can find an article about it in the June 1995 QST.

73

Date: Mon, 25 Mar 2002 08:45:22 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
"Elecraft-list" <elecraft@mailman.qth.net>
Subject: [123143] NJQRP SP summary
Message-ID: <002101c1d414\$138ee1d0\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

Despite the "interesting" conditions I managed 52 contacts, with about 3 hours of effort. I tried PSK-31 but only managed 1 contact with 1 hour's effort. Flubbed up two others when I touched the Mouse Pad on my laptop and shifted TX Freq down 2-3kHz. I've only used PSK-31 in two contests, guess I need more practice at it.

20 & 40 were the bread and butter bands, contacts split about even between them. Tried 15m but did not hear anything. Setup here was:

15m K1 with internal ATU @ 5W

20m NC20 with NorCal BLT @ 5W
40m (1) K1 with internal ATU @ 5W
 (2) Icom 746pro with MFJ 949E @ 5W (last 1/2 HR)
All rig switched to the Attic Doublet

Yep broke out the "big iron" for the last half hour on 40m. The DSP noise reduction helped a bit to fight the noise which was pretty awful here.

Memorable QSOs: the "milliwatters" with BIG sigs:

20m
 K7PVT, WA 1W (a real 599!)
 N3IVT, PA 900mW
 W5KDT, TX 900mW
 WA8BXN, OH 1W
 W3IRZ, GA 1W
 W9POJ/4, VA 250mW with a TT2, AMAZING!!!

40m
 W0PWE, IA 1W
 W1HUE, ID 1W
 AB0RS, MN 1W
 AA0B, MO 1W

Amazing signals and results given the band conditions!

I even work a station from NE, KC0GVX. That's only the 2nd NE station I have worked in 4 years. NE is about as rare as DE stations. ;-)

Fun time, thanks all who participated and thanks to NJQRP for a great event.

73, Rod N0RC
Ft Collins, CO

Date: Mon, 25 Mar 2002 10:50:49 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: paul.conant@lmco.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [123144] Re: random wire antennas?
Message-ID: <3C9F4759.4C5B7F6D@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul,

Nonsense. The random wire will radiate as well as a dipole, if you take the necessary precautions when you install it! The random wire must have a good RF ground to complete its circuit. If you skip this important point you will cut your signal by a large amount!

83

Date: Mon, 25 Mar 2002 10:58:40 -0500
From: "Hartwell, Martin E, ALINF" <mehartwell@att.com>
To: <qrp-l@lehigh.edu>
Subject: [123145] tip tapper
Message-ID: <6579C6377F475547985F0B3E426E16261404AD@OCCLUST01EVS1.ugd.att.com>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Well returned from a short vacation last week to find my new
from NJQRP club tip tapper keyer paddles. Now to find time to
try them with my ft817.

Marty Hartwell kd8bj
AT&T Columbus Ohio
PH:614-501-2503

Date: Mon, 25 Mar 2002 10:26:28 -0600
From: Tim - N9PUZ <N9PUZ@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123146] Re: random wire antennas?
Message-ID: <001901c1d419\$d11e9d80\$a400a8c0@EOS>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

> Please don't overlook the ground circuit. I use an MFJ artificial
> ground. It allows me to tune the ground current for a maximum with
only
> about 8 feet of ground wire. Do not try to use a ground wire and

ground
> rod! The length is too hard ot match. Use resonant counterpoises
for
> each band if you can't afford a ground tuner.

Question about counterpoises: If you're using an antenna on multiple
bands can you attach multiple counterpoise wires at the same time? How
far do they need to separated from one another to remain effective?

Tim N9PUZ

Date: Mon, 25 Mar 2002 12:45:57 -0500
From: Ken Newman <N2CQ@dandy.net>
To: EPA-QRP@yahoogroups.com, QRP-L@lehigh.edu, njqrp@njqrp.org,
n9avg@amsat.org, w3bg@arrl.net, n4so@juno.com,
Subject: [123147] QRP Homebrewer Sprint - WQ2RP Summary
Message-ID: <3.0.6.32.20020325124557.00849430@mail.dandy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi All,
If any questions on scoring that are not clear at
<<http://www.njqrp.org/data/qrphomebrewersprint.html>>
or below, let me know if I can help.

WQ2RP Summary:

2002 QRP HOMEBREWER SPRINT

Call used: WQ2RP Location: NJ

Category: Single Op All Band Mode: CW Power: 5W

Callsign of Operator: N2CQ

If multi-operator, show calls of all operators and loggers: -

Exchanged Information: WQ2RP RST NJ 5W

Hours of Operation: 03:58

band	QSOs	QSO points	SPC mults (SPCs count for each band)
------	------	------------	--------------------------------------

160	0	0	0
-----	---	---	---

Date: Mon, 25 Mar 2002 13:12:05 EST
From: Mercxx@aol.com

To: <qrp-1@lehigh.edu>
Subject: [123148] For sale
Message-ID: <170.aedab0d.29d0c275@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Good afternoon,
I have for sale the following:

Autek Research QF-1A SSB CW/AM filter 40.00
JPS NIR-10 50.00
All prices include shipping in CONUS.

73
Steve
N4TKP

Date: Mon, 25 Mar 2002 11:27:30 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-1@lehigh.edu>
Subject: [123149] Worked XR zero X
Message-ID: <Pine.LNX.4.33.0203251116560.2620-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Wow! Those guys sure have ears when the propagation is in. I tried with 100 watts at 1600 Z on 10 meters, no luck. They were working Europe. Then got back looking and new operator was on and cut the band he listened to, to 28.500-28.510 and I cut my call from K5DI to just DI and he came right back to DI. After the obligatory 59 report I told him my state is New Mexico. He said good where in NM? I said Las Cruces and he said been there and liked it. He liked the audio from my FT-817. This was 1810 Z and this is the last day of their DXpedition.

The SWR on my TH6DXX beam gets a bit high at 28.500 so expect I was getting about 3-4 watts out. The 5 active elements do help and I do need to point with some accuracy on 10 meters.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 13:01:43 US/Central
From: delphinus@brightok.net
To: qrp-1@Lehigh.EDU
Subject: [123150] velocity factor and antenna length
Message-ID: <200203251900.NAA00285@mail5.brightok.net>

I am confused on the issue of velocity factors and antenna length. I have seen information that supports the use of the velocity factor when calculating the theoretical length. And I have seen information that indicates one should NOT use the velocity factor in such a calculation. Which is right?

The specifics are:

I have a little over 35 meters of Belden 9269 coax (free!). I would like to use the outer conductor as an end-fed half wave for the lower 80m band for my PSK-80 warbler. If I use the velocity factor, it is enough. If I ignore the velocity factor, it is not enough. I can appreciate that the since I'm only using the outer conductor that maybe the published velocity factor doesn't apply here. But shouldn't I still use some velocity factor since the outer conductor is encased in a sheath of dielectric?

Ultimately, I'm probably just going to put it up and try it out. However, I'd like some idea as to why it did or did not work once I do so.

73, Matthew
AD5AP

This message was sent using BrightNet MailMan.
<http://www.Brightok.net/mailman/>

Date: Mon, 25 Mar 2002 19:34:48
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [123151] Doorknob caps
Message-ID: <F150zleb2TXYsNx75nY00013bf6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

With all the interest in tube transmitters expressed on this list, some of you may be interested in the following.

I have a number of 400 pF 30 kV ceramic "doorknob" caps offered on your choice of terms:

1) \$4 each. You pay shipping.

2) I send you (4) pieces. I pay shipping. You send me something interesting in trade.

What these are:

Pulls from high voltage medical equipment. Tested for marked capacitance and shorts. Possibly off-color and not pristine appearance. Similar, I believe, to the "TV doorknobs" as seen in many ARRL Handbook designs of several decades ago. Dimensions 1.18" dia., 1.10" length (includes terminals), 0.95" height (excludes terminals). Threaded silver plated terminals both ends tapped 8-32.

What these are not:

These are not "transmitting doorknobs". The latter type of cap is specifically designed to carry large RF currents without undue dissipation. These caps will probably not hold up in seriously QRO gear nor in tank circuits.

Regards,

Brad KG6IOE

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>.

Date: Mon, 25 Mar 2002 14:36:37 -0500
From: "Larry Spinner" <n2icz@hotmail.com>
To: <N9PUZ@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123152] Re: random wire antennas?
Message-ID: <0E60jTZZTTuufFyrQFq0000f680@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Question about counterpoises: If you're using an antenna on multiple

> bands can you attach multiple counterpoise wires at the same time? How
> far do they need to be separated from one another to remain effective?

> Tim N9PUZ

I used to use the multiple counterpoise wires attached to my tuner all at the same time. I cut one counterpoise for each band I wanted to operate. I tried to "fan" them out a bit, but I'm not sure they even needed to be fanned... They worked FB... Because I live in a condo, the multiple wires were running all over the place, which was driving my wife crazy. As she put it, "Larry, please this is maddening"! To an extent she was right... I had wires under rugs, along the baseboards, etc. The vacuum ate a few of them... Anyway, I ended buying the MFJ Artificial ground and have never regretted it. I now use one wire about 16 feet long tucked along the baseboard of my operating area and load it up all the bands... No problem.

Incidentally, I often see threads in here asking about good to reasonable stealthy antennas for use in condos or apartments. Try the end fed 1/4 or 1/2 wave antenna with the ground tuner... You'll never regret it AND you'll save a boatload of money compared to the "miracle whips", "joeys" and others that are out there that don't and CAN'T function better

72 es 73,

Larry
N2ICZ

Date: Mon, 25 Mar 2002 14:48:25 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [123153] Re: random wire antennas?
Message-ID: <3.0.6.32.20020325144825.007ba110@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm no antenna expert, but I do know guys using a random/long wire always seem to have the weakest signal. Maybe their lobs just don't point my way, who knows? OTOH, guys with loops always seem to have the strongest signal. So, why not just loop the end of the random wire back to the tuner and be done with it? But I guess the bottom line is any wire is better than no wire<G>

72,
Steve, KD1JV
"Melt Solder"

White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Mon, 25 Mar 2002 14:44:16 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: N9PUZ@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [123154] Re: random wire antennas?
Message-ID: <3C9F7E10.E0BA8F34@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Sure, you can. It does depend on where you are using the antenna though. I used a short random wire antenna (45 feet) for about 18 years from a condo. I had a resonant counterpoise for each band from 40 through 10. It worked very well, but the condo was on the third floor of the building and so was the counterpoise!

If I was using something in a camping situation, I probably would have gotten as good performance from a single wire about .2 wavelength at the lowest frequency. The ground coupling would probably be better!

73>

> Question about counterpoises: If you're using an antenna on multiple
> bands can you attach multiple counterpoise wires at the same time? How
> far do they need to be separated from one another to remain effective?
>
> Tim N9PUZ

Date: Mon, 25 Mar 2002 15:11:13 -0500
From: Ron Majewski <majewski@erim-int.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [123155] FS: Reprints of QRP Quarterly and The Milliwatt
Message-ID: <3C9F8461.3F67F391@erim-int.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hi All,

I have a well-made photocopy of QRP Quarterly from 1985-1992. Each year is bound individually with plastic-coated covers and spiral rings. I

also have a photocopy of The Milliwatt journal that covers February 1970 to June 1975 (pages 1 - 351). Again, it's well made and bound with plastic rings. Someone here on QRP-L put these together about 10 years ago.

These are fun to look at and there are lots of interesting articles covering all facets of QRP. I'm just flat out of space so I'm looking for a new home for them.

I'm offering it all as a single package only. It's in very good condition. All together it weighs around 7 pounds.

I'm asking \$15 and that includes book rate postage to US addresses. Cash, check, or MO up front please.

Contact me at "majewski@erim-int.com" if you're interested. First come, first served.

Thanks and 72/3,

Ron (W8RU).

Date: Mon, 25 Mar 2002 14:18:37 -0600
From: "George, W5YR" <w5yr@att.net>
To: delphinus@brightok.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123156] Re: velocity factor and antenna length
Message-ID: <3C9F861D.845D3DC3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Short answer: you are right on both counts.

Velocity factor only applies to a transmission line or antenna when the fields being conveyed are confined within a region containing a medium other than space or air. The polyethylene dielectric in coax has a Vf of about 0.66 for the solid and about 0.82 for the foamed. Ladderline and twinlead is up around the 95% -95% mark. If the fields are being conveyed in open air or space, the Vf is 1.0 or 100%, of course.

Your end fed coax antenna is using the exposed center conductor and the outer braid of the coax for the actual radiator. The portion of the coax from the end of the braid to the center feed point is using the coax in normal differential mode so the Vf counts. The insulation on the braid and

center conductor of the radiating portion will have a small effect on resonant length, but you are going to have to prune the length anyway, so just cut it a little long.

Don't forget that choke - either a ferrite balun or beads or many turns of coax or 80 meters - at the end of the braid portion of the antenna. It is required to minimize common-mode current on the outer braid which will then radiate and besides bringing r-f into the shack it can also affect nearby appliances, etc. Let the antenna do the radiating and the transmission line do the transmission work! <:}

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

delphinus@brightok.net wrote:

>
> I am confused on the issue of velocity factors and antenna length. I have seen
> information that supports the use of the velocity factor when calculating the
> theoretical length. And I have seen information that indicates one should NOT
> use the velocity factor in such a calculation. Which is right?
>
> The specifics are:
>
> I have a little over 35 meters of Belden 9269 coax (free!). I would like to use
> the outer conductor as an end-fed half wave for the lower 80m band for my PSK-80
> warbler. If I use the velocity factor, it is enough. If I ignore the velocity
> factor, it is not enough. I can appreciate that the since I'm only using the
> outer conductor that maybe the published velocity factor doesn't apply here.
> But shouldn't I still use _some_ velocity factor since the outer conductor is
> encased in a sheath of dielectric?
>
> Ultimately, I'm probably just going to put it up and try it out. However, I'd
> like some idea as to why it did or did not work once I do so.

Date: Mon, 25 Mar 2002 15:28:19 -0500
From: Ron Majewski <majewski@erim-int.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [123157] Re: FS: Reprints of QRP Quarterly and The Milliwatt
Message-ID: <3C9F8863.4418FF15@erim-int.com>

MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Wow! I was instantly swamped with replies. The reprints have been spoken for.

Thank you all for your interest and 72/3,

Ron (W8RU).

Ron Majewski wrote:

>
> Hi All,
>
> I have a well-made photocopy of QRP Quarterly from 1985-1992. Each year
> is bound individually with plastic-coated covers and spiral rings. I
> also have a photocopy of The Milliwatt journal that covers February 1970
> to June 1975 (pages 1 - 351). Again, it's well made and bound with
> plastic rings. Someone here on QRP-L put these together about 10 years
> ago.
>
> These are fun to look at and there are lots of interesting articles
> covering all facets of QRP. I'm just flat out of space so I'm looking
> for a new home for them.
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> I'm offering it all as a single package only. It's in very good
> condition. All together it weighs around 7 pounds.
>
> I'm asking \$15 and that includes book rate postage to US addresses.
> Cash, check, or MO up front please.
>
> Contact me at "majewski@erim-int.com" if you're interested. First come,
> first served.
>
> Thanks and 72/3,
>
> Ron (W8RU).

Date: Mon, 25 Mar 2002 14:30:01 -0600
From: Tim - N9PUZ <N9PUZ@arrl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123158] Re: random wire antennas?
Message-ID: <001601c1d43b\$d7765520\$a400a8c0@EOS>

MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Larry Spinner wrote...

> I used to use the multiple counterpoise wires attached to my tuner
all at
> the same time. I cut one counterpoise for each band I wanted to
operate. I
> tried to "fan" them out a bit, but I'm not sure they even needed to
be
> fanned... They worked FB... Because I live in a condo, the
multiple wires
> were running all over the place, which was driving my wife crazy.
As she
> put it, "Larry, please this is maddening"! To an extent she was
right... I
> had wires under rugs, along the baseboards, etc. The vacuum ate a
few of
> them... Anyway, I ended buying the MFJ Artificial ground and have
never
> regretted it. I now use one wire about 16 feet long tucked along
the
> baseboard of my operating area and load it up all the bands... No
problem.

Do you notice any symptoms of RF in the shack area at higher power (up
to 100W?) I work from a home office and have a couple of pieces of
equipment that get real unhappy with stray RF. One is the transceiver
for our wireless DSL service, the other is a multi-line caller-ID box.

Tim N9PUZ

Date: Mon, 25 Mar 2002 15:45:51 -0500
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Subject: [123159] Dayton
Message-ID: <000501c1d43e\$0e8a73a0\$24553e44@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Is there any website where I can
get a better floor plan for the Hara

arena? The one on the Hamvention
website is real small and hard to see.
regards, Tom, W8K0X

Date: Mon, 25 Mar 2002 15:59:37 -0500
From: W2AGN <w2agn@pobox.com>
To: Ron Majewski <majewski@erim-int.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123160] Re: FS: Reprints of QRP Quarterly and The Milliwatt
Message-ID: <02032515593709.02221@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Monday 25 March 2002 15:28, Ron Majewski wrote:
> Wow! I was instantly swamped with replies. The reprints have been
> spoken for.
>
> Thank you all for your interest and 72/3,
>
> Ron (W8RU).
>

--

Not surprised. Reprints like that have gone on eBay for upwards of \$75.00.

John L Sielke W2AGN
w2agn@pobox.com
<http://mywebpages.comcast.net/w2agn>
Trustee: W3IYQ

Date: Mon, 25 Mar 2002 14:03:16 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [123161] Antenna and Spring
Message-ID: <Pine.LNX.4.33.0203251355120.3327-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It seems that springtime causes people to think about antenna

problems and solutions. About antenna's that can be put up Field Day fashion. I have been on Field Day every year for the past 45 years or so.

To win Field Day you must have a beam for every station, run QRP power and operate CW.

To enjoy To The Field contest you need a very quick antenna. I'm busy this year and can't make this contest. But I have the antenna for it. A w3ff dipole that works real well. In my opinion a dipole is much better than a ground plane on frequencies above 30 meters.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 16:01:11 -0500
From: "Randy Randall" <randallr@Healthall.com>
To: <grp-1@Lehigh.EDU>, <weinfurt@oak.cats.ohiou.edu>
Subject: [123162] Re: MFJ 9420 drifty
Message-ID: <sc9f49e4.081@healthall.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hello. Open the rig up and look at inductor L3. See if it is a Toko = coil. If it is, that is the problem. I'll get you more info on who to = contact at MFJ and they will send you a free replacement. =20

73

Randy KB8AS0=20

>>> Greg Weinfurtner <weinfurt@oak.cats.ohiou.edu> 03/25/02 09:40 AM >>>
Hi all,

Has anyone discovered a drifting problem with the MFJ 9420?=20
It is a neat little rig but I am having trouble keeping it on freq.=20
Any mods for this rig? I got it as a SSB rig but would prefer the CW=20
version. What does it take to convert it to CW operation?

Thanks in advance,

NS80 Greg

Date: Mon, 25 Mar 2002 16:02:24 EST
From: W2SH@aol.com
To: qrp-1@lehigh.edu
Subject: [123163] re: Tube Transmitters
Message-ID: <173.5ac0d27.29d0ea60@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="UTF-8"
Content-Transfer-Encoding: quoted-printable
Content-Language: en

Subj: RE: Tube Transmitters
Date: 3/24/02 09:05:18 PM Eastern Standard Time
From: jamesd1@fl

On 24 March 02 at 0905 hours EST KK5MC wrote:

>>If I were designing a tube QRP transmitter from scratch today, I think that

>>I would use a 6CW4 (or other Nuvistor=C2=81) for a VF0, followed by a 6CW4
>>buffer. Low power and heat mean a pretty stable VF0. Then a 5763 final.

>>Just a thought. Was such a rig ever designed? It seems like the Nuvistors=
=C2=81

>>would have been too a good choice for a VF0 to pass up.

Interestingly, at a meeting of our local ham club a fortnight ago, one of our

members, a retired chemical(sic) engineer who had worked at RCA on the
nuvistor throughout its life, gave a fascinating presentation on that very
subject.

He had some cut-away nuvistors, and he explained that the grid had 73(sic!)
vertical supporting wires in a circumference of about 0.6 inch. Peering
through a small magnifying glass, I could barely see, much less count, them.

The bottom of the cylindrical grid (or grids) was welded to a metal cone
shaped like an inverted funnel. The same cone-like structures were also
welded to the bottoms of the cylindrical plate and the cylindrical cathode
(with a heater inside). The three (or four) element structures were
concentrically mounted. All this occurred within a metal envelope having an
o.d. of just 0.4 inch for the triode and a ceramic cylinder with an o.d. of
bit less than 0.435 inch for the tetrode!

I opined that the nuvistor was, more than anything else, a triumph of=20
mechanical engineering, and he agreed. The ceramic wafers through which the=20
fine-gauge connecting pins protruded were bought in, but the elements and=20
everything else were manufactured in house. =20

The nuvistor was designed for TV receiver front ends because transistors in=20
the late 1950s and early 1960s weren't able to handle VHF, and then-availabl=20
miniature tubes weren't so great on channels 7-13 (never mind what the data=20
sheets said about muf), much less UHF.

It probably didn't need to be so mechanically rugged, for it didn't operate=20
in a high shock environment (unlike the WW2 proximity fuses, where the=20
subminiature tubes were ruggedized improvements of a tube which had been=20
designed for use in the first electronic hearing aids).

The nuvistor's rigid mechanical design--exponentially benefited by its small=20
size would, I think, count for more in the design of a stable vfo than its=20
fairly modest electrical requirements. I cannot recall that it was put to=20
this use either by the amateur community or the commercial manufacturers=20
catering thereto. What a significant omission!

As I see it, the problems today are a) the fairly high cost of the tube, and=20
b) the near unavailability of sockets. The connecting pins are so close=20
together that a home constructor would find it difficult to to fit the tube=20
directly on to a pcb, but, heh, with patient hams now grappling with surface=20
mounted components, never say never.

72/73,

Charles, W2SH=20

Date: Mon, 25 Mar 2002 16:14:56 -0500
From: "Ed Tanton" <n4xy@earthlink.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [123164] RE: Tube Transmitters
Message-ID: <004601c1d442\$1db58550\$c39efea9@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: 7bit

Also, I don't THINK the pins can be soldered.

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

///snip

As I see it, the problems today are a) the fairly high cost of the tube,
and
b) the near unavailability of sockets. The connecting pins are so close

together that a home constructor would find it difficult to fit the
tube
directly on to a pcb, but, heh, with patient hams now grappling with
surface
mounted components, never say never.

///snip

Date: Mon, 25 Mar 2002 16:26:04 -0500
From: "DIANNE M WISE" <roy537@prodigy.net>
To: <weinfurt@oak.cats.ohiou.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123165] Re: MFJ 9420 drift
Message-ID: <007f01c1d443\$ac560360\$6f97ff3f@rcrosier>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have the 30 meter version of MFJ's CW only rig and it had a bad drift problem out-of-the-box. I talked to their rep at Dayton in 1996 and he ordered me a free capacitor package from the factory. I had to replace two caps and it cured the problem. The unit is packed away right now or I could give you the cap numbers.

Roy, KE0UQ

9:39 AM

Subject: MFJ 9420 drifty

> Hi all,
> Has anyone discovered a drifting problem with the MFJ 9420?
> It is a neat little rig but I am having trouble keeping it on freq.
>> NS80 Greg

Date: Mon, 25 Mar 2002 16:25:59 -0500
From: "Matt Lee, WB6BWZ" <Matt@Tenn-Valley.com>
To: <k5di@zianet.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
<NoGaQRP@mailman.qth.net>, <SEDXC@contesting.com>
Subject: [123166] RE: Worked XR zero X
Message-ID: <NDBBJPBMMMLGNBGOMICADGEJOHPAA.Matt@Tenn-Valley.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Karl,

Thanks for the heads up about XR0X. I forgot they were closing out their DXpedition today.

Based on your info, I also worked XR0X at 2102Z with my FT-817. Op gave me the usual 59. When I confirmed the exchange I commented I was QRP. He came back with, " You have a good signal. How much power is your QRP?" I told him 5 watts into a stealth wire antenna.

--

Matt Lee, WB6BWZ
Atlanta, Georgia USA
<WB6BWZ@ARRL.net>

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of

> Karl F. Larsen

> Sent: Monday, March 25, 2002 13:28

> To: Low Power Amateur Radio Discussion

> Subject: Worked XR zero X

>

>

>

> Wow! Those guys sure have ears when the propogation is in. I tried
> with 100 watts at 1600 Z on 10 meters, no luck. They were working Europe.
> Then got back looking and new operator was on and cut the band he listened
> to, to 28.500-28.510 and I cut my call from K5DI to just DI and he came
> right back to DI. After the obilgitory 59 report I told him my state is
> New Mexico. He said good where in NM? I said Las Cruces and he said been
> there and liked it. He liked the audio from my FT-817. This was 1810 Z and
> this is the last day of their DXpedition.

>

> The SWR on my TH6DXX beam gets a bit high at 28.500 so expect I
> was getting about 3-4 watts out. The 5 active elements do help and I do
> need to point with some accuracy on 10 meters.

>

> --

> Yours Truly,

>

> - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
> <http://www.zianet.com/k5di/>

Date: Mon, 25 Mar 2002 16:33:04 -0500

From: "Bill Acito" <w1pa@hotmail.com>

To: <qrp-1@Lehigh.EDU>

Subject: [123167] Ultimate Manhattan-dremel-hacksaw-blade PC board tool

Message-ID: <0E39kge0yAEWopcny30000ffbe@hotmail.com>

My job took me to the PCB-West printed-circuit board design and
manufacturing show last week in 6-land, and I came across this beauty of an
item. Not for the faint of wallet (around \$5K), but who knows.... get a
club buy together for one of them.

<http://www.t-tech.com/products/quickcircuit/>

If you have the band-width, check the demo video.

I have no financial connection with them, but their national sales manager
is a ham, and we exchanged an eye-ball qso at the show. Pretty neat.

Bill
W1PA

Date: Mon, 25 Mar 2002 16:37:26 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: QRPL <qrp-l@Lehigh.EDU>
Subject: [123168] 15 meters hot today
Message-ID: <3C9F9896.7F3E23D9@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

15 meters is hopping into Europe, got home at 2045 z, turned the rig on, went to my favourite dx band, tuned the FT817 to 21.008.5, called cq and at 2100z worked SP9DXX, then at 2112 z worked HA60D, then at 2142z worked 4N1GS. So if home from work, and have some time , pit that rig on 15 meters.

Cant wait till I get my 2 element beam for 15 done, right now running my 40 meter dipole with the FT817.

t3
Fred
VE3FAL

Date: Mon, 25 Mar 2002 16:37:44 -0500
From: "Larry Spinner" <n2icz@hotmail.com>
To: <N9PUZ@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123169] Re: random wire antennas?
Message-ID: <0E41BX5zBe1Q0k3J8eC0000fa8b@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Do you notice any symptoms of RF in the shack area at higher power (up
> to 100W?) I work from a home office and have a couple of pieces of
> equipment that get real unhappy with stray RF. One is the transceiver
> for our wireless DSL service, the other is a multi-line caller-ID box.
>
> Tim N9PUZ

I rarely run more than 20 watts of power in the Condo. At QRP levels, I never have an RFI problem. I would think that at 50 watts and above RFI will rear its ugly head. When you think about it, the entire end fed wire is radiating RF from the antenna tuner. If you have part of that wire in your house, condo or shack, part of that radiation is in your house. The counterpoises merely "tame" the RF current and allow the current to seek a balance. That way, your rig and the tuner are essentially not acting as the counterpoise. BUT that doesn't mean you won't have RFI. Actually, smarter minds here on the list, than mine, could answer this better.. In a nutshell, though, I wouldn't run 100 watts to any antenna if part of it was in the house... Good luck!

Larry
N2ICZ

Date: Mon, 25 Mar 2002 16:36:57 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: Tim - N9PUZ <N9PUZ@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123170] Re: random wire antennas?
Message-ID: <20020325163514.E41010-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 25 Mar 2002, Tim - N9PUZ wrote:

> Question about counterpoises: If you're using an antenna on multiple
> bands can you attach multiple counterpoise wires at the same time? How
> far do they need to be separated from one another to remain effective?
>

I don't know what the "books" say...but my counterpoise system is a 1/4 wave wire for each band(80-10 including WARC) all in one bundle...

Thom

baltimoremd@baltimoremd.com
<http://www.baltimoremd.com/>
<http://www.baltimorehon.com/>
<http://www.zerobeat.net>

Thom LaCosta K3HRN Webmaster
Baltimore's Home Page
Home of the Baltimore Lexicon
Home of The QRP Web Ring
and Drake Mail List Pages

Date: Mon, 25 Mar 2002 15:51:14 -0600

From: "George, W5YR" <w5yr@att.net>
To: baltimoremd@baltimoremd.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123171] Re: random wire antennas?
Message-ID: <3C9F9BD2.B84A7C5A@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fortunately, it is not important for a "counterpoise" to work that it be exactly resonant when used as you are using them. Just so it is "close" it will pick up enough r-f to place the open end at max r-f voltage and the other end connected to the equipment to near zero voltage. And that is what it is expected to do, and all it can do.

Drawback, of course, is that it will radiate and the open end is at a relatively high voltage.

I personally think that calling these wires a "counterpoise" is a little misleading. They are technically a "driven ground system." Being in the near field of the antenna, they absorb power and develop voltages and currents accordingly. They are not intended to serve as ground current collectors like radials on a vertical or to provide much of a "ground" for unbalanced antennas, such as end-fed wires, to work against. They do, to a degree, but their main function is to be driven to zero voltage at one end and maximum voltage at the other, and thereby to place the shack equipment at or near zero r-f volts.

One other comment: in most cases this is a much more effective way to "ground" a station than attempting a connection to some sort of earth ground. A pipe driven a few feet into the earth does not equal an "earth ground" and any wire from the rig to that pipe has an impedance that cause more problems than it is intended to resolve.

A true counterpoise should be much closer to resonance at the operating frequency to perform its function well. But by now, we are talking about "to-may-to" and "to-mah-to" . . . <:}

73/72/00, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

baltimoremd@baltimoremd.com wrote:

>
> On Mon, 25 Mar 2002, Tim - N9PUZ wrote:
>
> > Question about counterpoises: If you're using an antenna on multiple
> > bands can you attach multiple counterpoise wires at the same time? How
> > far do they need to be separated from one another to remain effective?
> >
> I don't know what the "books" say...but my counterpoise system is a 1/4
> wave wire for each band(80-10 including WARC) all in one bundle...

Date: Mon, 25 Mar 2002 16:52:58 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <rmccarty@earthlink.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [123172] Re: Tubes; A Beautiful 6T9 Transmitter
Message-ID: <007b01c1d447\$6d7f2460\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Roger and the list,

One of the pictures, Kraus3.JPG is actually the collection of parts that make up the current project, the Novice Special 6C4/5763 transmitter. Happy to say, that one works now, though it has a slight chirp.

Roger, I'll send that one to you also when I use up the camera memory.

72

Howard Kraus, K2UD
----- Original Message -----
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, March 25, 2002 9:17 AM
Subject: Tubes; A Beautiful 6T9 Transmitter

> Hi folks, wanted to share this with you. Howard Kraus K2UD, mentioned in
> a prior post that he had built the 6T9 Transmitter discussed on the
> list. He sent me some pictures and... Boy Howdy, did he build a 6T9
> Transmitter!!
>
> Take a look at the link for an example of some absolutely beautiful

> construction work.
>
> <http://home.earthlink.net/~rmccarty/Kraus>
>
> Thanks Howard, for sharing these with us.
>
> Send comments to;
>
> Howard Kraus [K2UD@adelphia.net]
>
> 73
>
> Roger KD6CC
>
> ---
> Outgoing mail is certified Virus Free.
> Checked by AVG anti-virus system (<http://www.grisoft.com>).
> Version: 6.0.332 / Virus Database: 186 - Release Date: 3/6/2002
>
>

Date: Mon, 25 Mar 2002 17:06:08 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w1pa@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [123173] Re: Ultimate Manhattan-dremel-hacksaw-blade PC board tool
Message-ID: <005a01c1d449\$55193120\$0600a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I don't know if that's the same company, but I saw a system like that in way back in 1984 in Dallas at one of the electronics manufacturing shows. Where I work actually got fairly excited about it, but only for a short time, as we had a manufacturing group, and they could be 'suggested' to make things that we needed.

Back then it was pretty 'coarse' in what it would do. And a LOT more than \$5K.

Mike

> My job took me to the PCB-West printed-circuit board design and
> manufacturing show last week in 6-land, and I came across this beauty of

an
> item. Not for the faint of wallet (around \$5K), but who knows.... get
a
> club buy together for one of them.
>
> <http://www.t-tech.com/products/quickcircuit/>
>
> If you have the band-width, check the demo video.
>
> I have no financial connection with them, but their national sales
manager
> is a ham, and we exchanged an eye-ball qso at the show. Pretty neat.
>
> Bill
> W1PA

Date: Mon, 25 Mar 2002 17:13:45 -0500
From: hamjoel@juno.com
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Subject: [123174] would like to sell
Message-ID: <20020325.171346.-70465.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

High y'all
 need to sell qrp++ sn1373
in fine shape
currently using as mobile in my truck
cw, ssb 5 w...
\$300... can bring it to dayton with me or u pay shipping...

K2 sn 877
 ssb adapter, noise blanker, int keyer
put together by Ed Loranger (didn't do nuttin what wasn't perfect)
 currently radio is my cw net machine and have mic hooked up for
ssb... both working just fine
 \$700 and it's all yours... can bring to dayton (fdim) or ship it
to u @ ur cost...

 if u are interested in any of the above email me
hamjoel@juno.com
or call
1-207-684-5688

ke1la joel
in maine
freezin

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 25 Mar 2002 17:25:14 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@Lehigh.EDU>, ". NJ QRP-L" <njqrp@njqrp.org>
Subject: [123175] 15 m is Hot
Message-ID: <003b01c1d44b\$efe0b000\$3e605cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

WL7CDC/QRP came back to my CQ on 21.060

5 watts QRP to QRP and both reports were 599.

Wow!!

72 & Good DXing

Ron Polityka
de WB3AAL
wb3aal@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
 <http://www.n3epa.org>
Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

EPA QRP #1	ARRL Life Member
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	ARS # 380
HI QRP #153	VA QRP Society #45
MI QRP #1703	K2 sn1392
NJ QRP #179	ARLHS #423

K1 sn1011

Date: Mon, 25 Mar 2002 15:43:33 -0700
From: "Zoerb, Ron" <Zoerb.Ron@broadband.att.com>
To: "'QRP-1 Messages'" <qrp-1@lehigh.EDU>
Subject: [123176] CUB FOX - CFNO: Final Results
Message-ID: <BF11C300DA60D5118A2900508BCF825B03416CFB@entcoexch05.tci.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset=iso-8859-1
Content-Transfer-Encoding: 7bit

Hello all.

This is the rest of the story on CFNO 2002.

A few minor tweaks to logs and a little more feedback from the Hounds.

Wish we could have had a few more FOX stations on but those that could, did a masterful job with Dave (N0IT) handing out the most pelts with 35 and Rick earning the crown as SER King with a SER of 3.82.

In the Hound's side, 5 hounds bagged all 5 Fox pelts (W5YR, AF4PS, WA8BXN, WV9N and WA9TZE) with the lowest SER score going to Randy (WV9N). Good job Randy, with all pelts and a SER of 1.0! Mac (AF4PS) also bagged 5 pelts with a SER of 2.42 which is pretty impressive all the way from FL.

Hope everyone had a good time.

CU on the air!

72 Ron ki0ii

Fox List:

Call	Name	SPC	# Contacts	SER
AG0T	Todd	ND	23	4.040
W0IS	Rick	MN	25	3.82
N0IT	Dave	MO	35	4.06
KA8MAV	Brice	IN	1	5.0
K04WX	Mike	GA	31	4.15

VE3FAL Fred ON 18 4.1

Hounds:

Call	Name	Fox Pelts	SER
KG4LDY	Jim	2	1.0
KB0LUR	Paul	2	5.0
W5YR	George	5	5.0
KB9ZUV	Gary Lee	1st ever Fox pelt!	
AF4PS	Mac	5	2.42
WA8BXN	Mike	5	5.0
W4BQP	Jim	3	5.0
KJ0C	Jim	2	2.0
KG6CYN	Trev	2	1.0
WB8WTU	Dennis	4	??
WV9N	Randy	5	1.0
KI0II	Ron	4	1.1
N0EAX	Rich	2	?? 1st and 2nd
Pelts			
WA9TZE	Jim	5	5.0
NK9G	Richard	2	??
WE9K	Glenn	VE3FAL kept slipping away	

The end

Date: Mon, 25 Mar 2002 17:50:35 -0500
From: "Woody Lee" <lee@sms.si.edu>
To: <qrp-1@Lehigh.EDU>
Subject: [123177] Need manual for Norcal 20 ver. 1.0
Message-ID: <sc9f637b.073@simail1.si.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

Hi all,

I need a copy of the manual for the Norcal 20 ver. 1.0. I would be more =
than happy to pay any photocopy/shipping/handling fees.

Thanks,

Woody Lee KF4LTT

Woody Lee
Research Assistant
Smithsonian Marine Station at Fort Pierce
701 Seaway Drive
Fort Pierce, FL 34949

561.465.6630 ext.145 telephone
561.461.8154 fax
lee@sms.si.edu

www.sms.si.edu

Date: Mon, 25 Mar 2002 18:16:44 -0500 (EST)
From: baltimoremd@baltimoremd.com
To: "George, W5YR" <w5yr@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123178] Re: random wire antennas?
Message-ID: <20020325180923.E42995-1000000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 25 Mar 2002, George, W5YR wrote:

> Fortunately, it is not important for a "counterpoise" to work that it be
> exactly resonant when used as you are using them. Just so it is "close" it
> will pick up enough r-f to place the open end at max r-f voltage and the
> other end connected to the equipment to near zero voltage. And that is what
> it is expected to do, and all it can do.
>
> Drawback, of course, is that it will radiate and the open end is at a
> relatively high voltage.
>
> I personally think that calling these wires a "counterpoise" is a little
> misleading. They are technically a "driven ground system."

Oh my...all the terminology is flying over my appliance operator pointy
head. Alls I know is that the rig is in the bedroom...the antenna wire
goes out the window to a phone pole, the bundle of counterpoise/driven
grounds/then other side of the antenna wires that are in a big bunch is
snaked around the room and I can work folks on all bands.

73,
thom

Oh, see <http://www.zerobeat.net/g3ycc/w3edp.htm>

Date: Mon, 25 Mar 2002 17:34:10 -0600
From: "George, W5YR" <w5yr@att.net>
To: baltimoremd@baltimoremd.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123179] Re: random wire antennas?
Message-ID: <3C9FB3F2.DFDB0FDF@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

And that, Thom, is what it is all about: working people and having fun!
<:}

Don't let all the technical niceties of this business ever cause you to
lose sight of the objectives: communicate and enjoy!

Many of us somehow managed to make a living for a long time by working with
this stuff when it was more than just fun and games, and it is hard to
break away from that mindset even after 17 years now past retirement. So,
excuse my unbreakable habit of wanting to "explain" things to folks when
they have questions . . . the curse of being an "Internet Elmer!"

73/72/oo, George W5YR - the Yellow Rose of Texas
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR, in the 56th year and it just keeps getting better!
QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735
Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

All outgoing email virus-checked by Norton Anti-Virus 2002

baltimoremd@baltimoremd.com wrote:

>
> Oh my...all the terminology is flying over my appliance operator pointey
> head. Alls I know is that the rig is in the bedroom...the antenna wire
> goes out the winder to a phone pole, the bundle of counterpoise/driven
> grounds/them other side of the antenna wires that are in a big bunch is
> snaked around the room and I can work folks on all bands.
>

> 73,
> thom
>
> Oh, see <http://www.zerobeat.net/g3ycc/w3edp.htm>

--

Date: Mon, 25 Mar 2002 18:46:16 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "Pigs" <fpqrp-l@mpna.com>
Subject: [123180] New QQ is here!!
Message-ID: <000a01c1d457\$96c2da00\$6d492bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just got my new QQ today and it's great!!

Brice has a GREAT article on his version of the RF Probe the QRPP-I
gang is using. Very nice work.

73

Date: Mon, 25 Mar 2002 18:45:07 -0500
From: "Mike Lyness, AF4LQ" <olyellr@iglou.com>
To: <w5yr@att.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123181] Re: random wire antennas?
Message-ID: <014f01c1d457\$1f6a7bc0\$edeefcc@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd agree that it should be fun, first and foremost.....but I for one am happy
that
there are still folks like you that are willing to teach those of us like myself
who

don't have your knowledge, experience, and expertise. Thanks for sharing it, and I hope you continue to do so.

73, Mike
af4lq

----- Original Message -----

From: "George, W5YR" <w5yr@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, March 25, 2002 6:34 PM
Subject: Re: random wire antennas?

> And that, Thom, is what it is all about: working people and having fun!
> <:}
>
> Don't let all the technical niceties of this business ever cause you to
> lose sight of the objectives: communicate and enjoy!
>
> Many of us somehow managed to make a living for a long time by working with
> this stuff when it was more than just fun and games, and it is hard to
> break away from that mindset even after 17 years now past retirement. So,
> excuse my unbreakable habit of wanting to "explain" things to folks when
> they have questions . . . the curse of being an "Internet Elmer!"
>
> 73/72/oo, George W5YR - the Yellow Rose of Texas
> Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
> Amateur Radio W5YR, in the 56th year and it just keeps getting better!
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> > thom
> >
> > Oh, see <http://www.zerobeat.net/g3ycc/w3edp.htm>
>
> --

>
>

Date: Mon, 25 Mar 2002 23:58:15 +0000
From: "Delbert Long" <ad6we@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [123182] ms-15 transceiver
Message-ID: <F114Qww4XR0c0glKTX50001ec6e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Does anyone else have any experiences to relate concerning the MS-15? A buddy and I are comparing notes on our units... It seems as though there might be something heat-related - He has gotten up to five watts out of his when it's cold, and when it heats up the output goes down to around 2 - 3. Mine goes from "some" output to "none."

Wondered whether taking the PA transistor off the board and mounting on the case might help?

Thanks ...

Del, AD6WE

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

End of QRP-L Digest 2505

